

DIVISION OF PARKS AND RECREATION  
DEAD HORSE POINT  
RESTROOM IMPROVEMENTS

STATE ROAD 313  
P.O. BOX609  
MOAB, UTAH 84532-0609  
DFCM PROJECT NO. 07321510



State of Utah— Department of Administrative Services

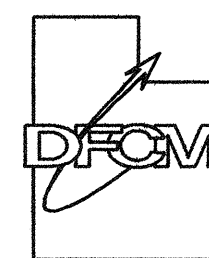
**DIVISION OF FACILITIES CONSTRUCTION  
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NOVEMBER 9th, 2007

**State of Utah**

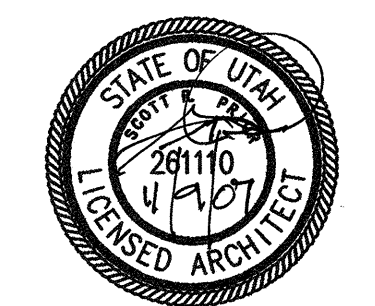
Department of Administrative Services

 **Division of Facilities  
Construction & Management**  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfc.state.ut.us>

CREATED BY: P+A architects

**P+A architects**  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail: [parchitects@comcast.net](mailto:parchitects@comcast.net)



architecture planning design

CONSULTANT: xyz engineering

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CAD PROJECT NO:

CAD DWG FILE:

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SHEET TITLE

**INDEX SHEET**

SHEET NUMBER

**A-G1000**

SHEET 1 OF 25

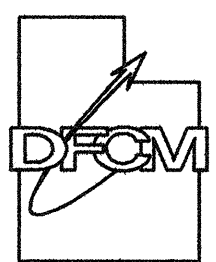


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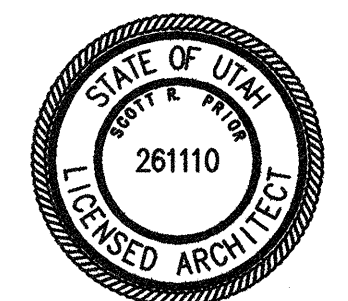
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A-G1001

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## ABBREVIATIONS

Reference to materials or methods have been made on the drawings in accordance with the following abbreviations:

#	NUMBER	GWB.	GYPSUM WALL BOARD
FEET		GYP. BD.	GYPSUM WALL BOARD
INCHES		HC.	HANDICAPPED
AND		HDW.	HARDWARE
AT		H.M.	HOLLOW METAL
DIAMETER		HORIZ.	HORIZONTAL
ADJ.	ADJUSTABLE	HR.	HOUR
AFF.	ABOVE FINISH FLOOR	HT.	HEIGHT
ALUM.	ALUMINUM	HVAC	HEATING/VENTILATION/ AIR CONDITIONING
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	HYD.	HYDRANT
ATS	AUTOMATIC TRANSFER SWITCH	I.D.	INSIDE DIAMETER
BD	BOARD	INFO.	INFORMATION
BITUM.	BITUMINOUS	INSUL.	INSULATION
BLDG.	BUILDING	LAV.	LAVATORY
B.M.	BENCHMARK	LT.	LIGHT
B.O.	BOTTOM OF	MATL.	MATERIAL
BRG.	BEARING	MAX.	MAXIMUM
BTWN.	BETWEEN	MECH.	MECHANICAL
CER.	CERAMIC	MFR.	MANUFACTURER
CJ	CONSTRUCTION JOINT	MIN.	MINIMUM
CLG.	CEILING	MISC.	MISCELLANEOUS
CLR.	CLEAR	M.O.	MASONRY OPENING
CMU	CONCRETE MASONRY UNIT	MTL.	METAL
COL.	COLUMN	NIC	NOT IN CONTRACT
CONC.	CONCRETE	NO.	NUMBER
CONT.	CONTINUOUS	N.T.S.	NOT TO SCALE
CONST.	CONSTRUCTION	O.C.	ON CENTER
COORD.	COORDINATE	O.D.	OUTSIDE DIAMETER
CTJ	CONTRACTION JOINT	O.H.	OVERHEAD
DBL.	DOUBLE	OPP.	OPPOSITE
DPW	DIRECTOR OF PUBLIC WORKS	PART.	PARTITION
DIA.	DIAMETER	PERP.	PERPENDICULAR
DPG	DUGWAY PROVING GROUND	PL.	PLATE
DTL.	DETAIL	PNTD.	PAINTED
DWGS.	DRAWINGS	PSI	POUNDS PER SQUARE INCH
EA.	EACH	R.D.	ROOF DRAIN
EJ	EXPANSION JOINT	RAD.	RADIUS
ELEV.	ELEVATION	REINF.	REINFORCED
EQ.	EQUAL	REQ'D	REQUIRED
E.S.	EACH SIDE	RET.	RETURN
EXIST.	EXISTING	REV.	REVERSED
EXAN.	EXPANSION	RM.	ROOM
EXT.	EXTERIOR	R.O.	ROUGH OPENING
E.W.C.	ELECTRIC WATER COOLER	SCHED.	SCHEDULE
F.D.	FLOOR DRAIN	SHR.	SHOWER
FDN.	FOUNDATION	SHT.	SHEET
F.E.	FIRE EXTINGUISHER	SIM.	SIMILAR
F.E.C.	FIRE EXTINGUISHER CABINET	SPEC.	SPECIFICATION
F.F.	FINISH FLOOR	STD.	STANDARD
FIN.	FINISH	STR.	STRUCTURAL
FLR.	FLOOR	SUSP.	SUSPENDED
F.L.	FLOW LINE	THRU	THROUGH
FTG.	FOOTING	T.O.	TOP OF
GA.	GAGE	T.O.A.	TOP OF ASPHALT
GALV.	GALVANIZED	T.O.C.	TOP OF CURB
GF-CI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	T.O.F.	TOP OF FOOTING
GF-GI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED	T.O.S.	TOP OF SLAB OR SIDEWALK
G.I.	GALVANIZED STEEL	T.O.W.	TOP OF WALL
GOVT.	GOVERNMENT	TYP.	TYPICAL
		VERT.	VERTICAL
		VEST.	VESTIBULE
		W/	WITH
		WD	WOOD

## DESIGN TEAM

### ARCHITECT

P+A ARCHITECTS  
CONTACT: SCOTT PRIOR  
821 EAST KENSINGTON AVENUE  
SALT LAKE CITY, UTAH 84105  
PHONE: 801.484.1161  
FAX: 801.485.4640

### STRUCTURAL

SHEN ENGINEERS, INC.  
CONTACT: HENRY SHEN  
3335 SOUTH 500 EAST, SUITE 250  
SALT LAKE CITY, UTAH 84106  
PHONE: 801.466.2625  
FAX: 801.466.2656

### ELECTRICAL

THOMAS & KOLKMAN ENGINEERING COMPANY  
CONTACT: RAYMOND KOLKMAN  
64 WEST 1700 SOUTH  
SALT LAKE CITY, UTAH 84011  
PHONE: 801.484.8161  
FAX: 801.484.3538  
E-MAIL:

### MECHANICAL

VAN BOERUM FRANK AND ASSOCIATES  
CONTACT: STEVE T. SHEPHERD  
330 SOUTH 500 EAST  
SALT LAKE CITY, UTAH 84111  
PHONE: 801.530.3148  
FAX: 801.530.3150

## LIST OF DRAWINGS

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### STRUCTURAL

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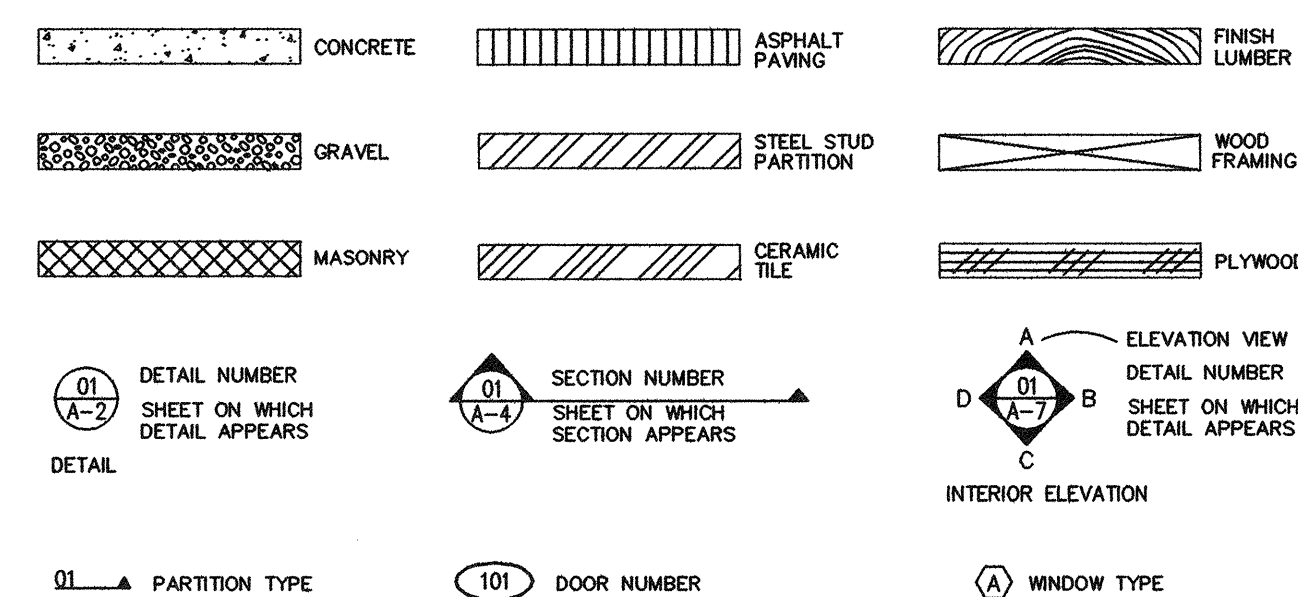
### MECHANICAL

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23 OF 25	M-501	MECHANICAL AND PLUMBING SCHEDULES

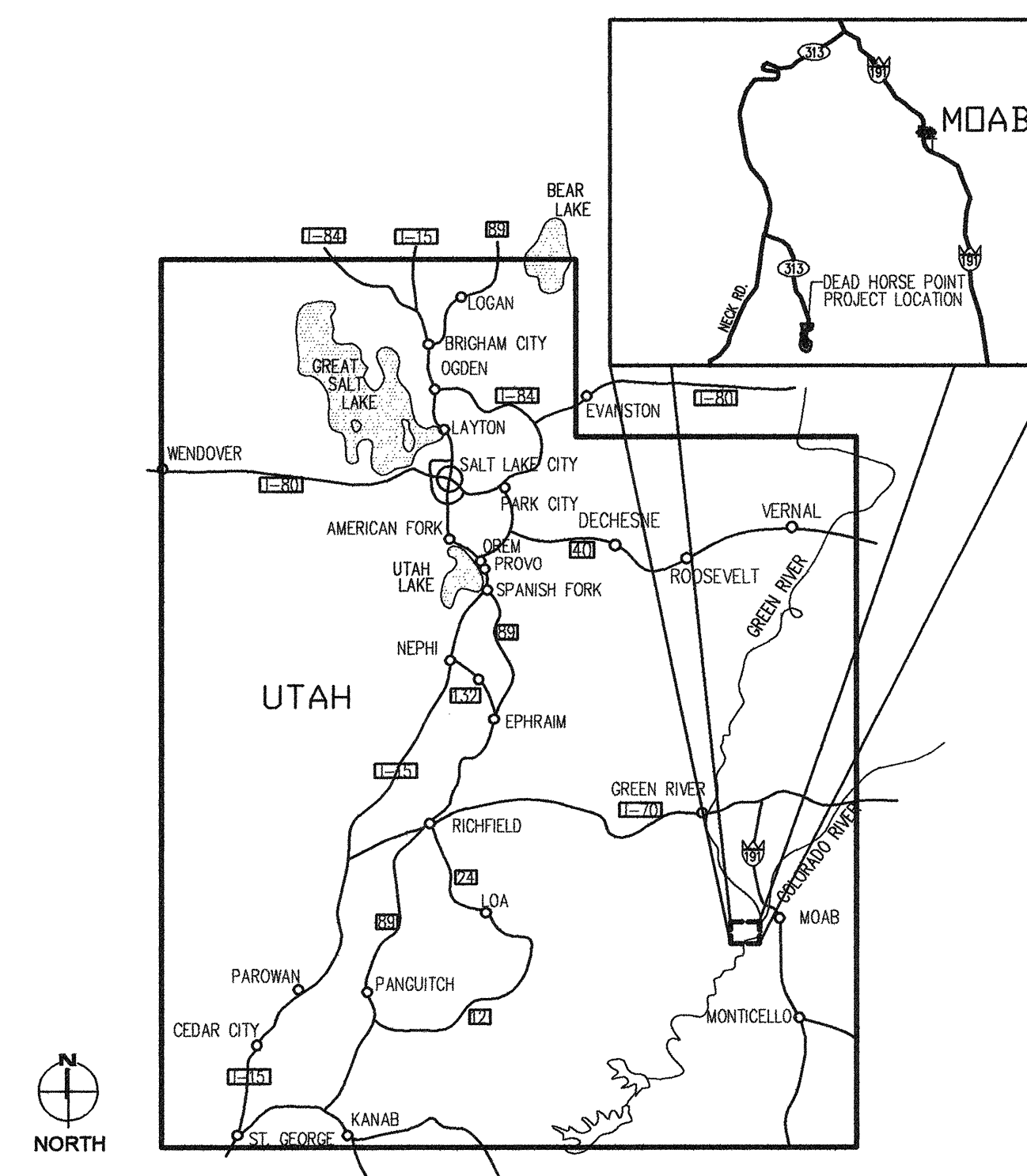
### ELECTRICAL

24 OF 25	E-101	ELECTRICAL PLANS
25 OF 25	E-601	SYMBOL LIST, DIAGRAMS AND SCHEDULES

## GRAPHIC KEY



## VICINITY MAP



NOT TO SCALE

## DFCM DESIGN AND CODE CRITERIA

APPLICABLE CODES			
	Year		Year
International Building Code	2006	National Electrical Code	2005
International Mechanical Code	2006	Uniform Code for Building Conservation	N/A
International Plumbing Code	2006	ADA Accessibility Guidelines	2006
International Fire Code	2006		
International Energy Conservation Code	N/A		

A. Occupancy and Group: U

Change in Use: Yes No X Mixed Occupancy: Yes No X

Special Use and Occupancy (e.g. High Rise, Covered Mall): NO

B. Seismic Design Category: 3 Design Wind Speed: 90 mph

C. Type of Construction (circle one):

I A I B I C I D I E I F I G I H I I I J I K I L I M I N I O I P I Q I R I S I T I U I V I W I X I Y I Z

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):

North: N/A South: N/A East: N/A West: N/A

E. Mixed Occupancies: NO Nonseparated Uses: NO

F. Sprinklers:

Required: NO Provided: NO Type of Sprinkler System: NO

G. Number of Stories: 1 Building Height: 11'-0"

H. Actual Area per Floor (square feet): 671 actual bldg sq ft

I. Tabular Area: as per table 503 (5,500 sq ft allowed.)

J. Area Modifications:

a)  $A_a = A_1 + \left[ \frac{A_1 I_1}{100} \right] + \left[ \frac{A_1 I_2}{100} \right]$   $I_1 = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:

Actual Area Allowable Area  $\leq 1$

c) Total Allowable Area for:

1) One Story: 1

2) Two Story:  $A_2(2)$

3) Three Story:  $A_3(3)$

d) Unlimited Area Building: Yes No X Code Section: N/A

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element Hours Assembly Listing Element Hours Assembly Listing

Exterior Bearing Walls 0 - Floors - Ceiling Floors 0 -

Interior Bearing Walls 0 - Roofs - Ceiling Roofs 0 -

Exterior Non-Bearing Walls 0 - Exterior Doors and Windows 0 -

Structural Frame 0 - Shaft Enclosures 0 -

Partitions - Permanent 0 - Fire Walls 0 -

Fire Barriers 0 - Fire Partitions 0 -

Smoke Partitions 0 -

L. Design Occupant Load: 1 PER 50 = 11 OCCUPANTS

Exit Width Required: 3'-0" Exit Width Provided: 4'-0"

M. Minimum Number of Required Plumbing Facilities:

a) Water Closets - Required (m) 1per 25 1per 25 Provided (m) 2 (f) 4

b) Lavatories - Required (m) 1per 40 1per 40 Provided (m) 2 (f) 2

c) Bath Tubs or Showers: N/A

d) Drinking Fountains: NOT REQ. Service Sinks: 1 PROVIDED

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts 1 through 12 - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:

a) High Rise Requirements.

b) Atriums.

c) Performance Based Criteria.

d) Means or Egress Analysis.


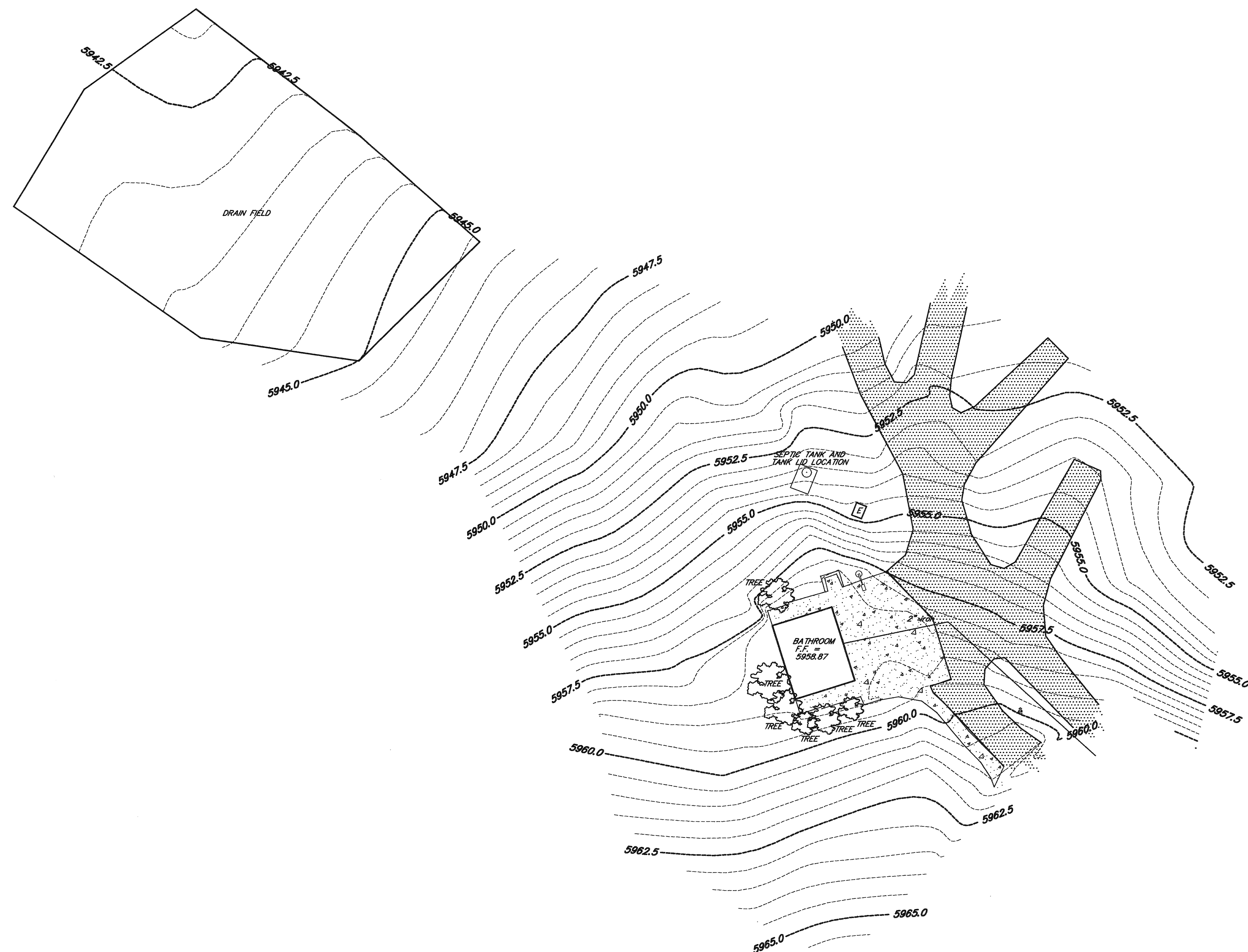
e) Fire Assembly Locator Sheet.

f) Exterior and Interior Accessibility Route.

g) Fire Stopping, Including Tested Design Number.





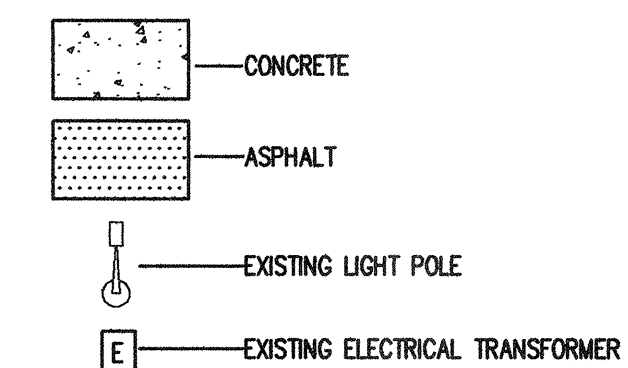


PLAN NORTH

## EXISTING CAMPGROUND RESTROOM SITE PLAN

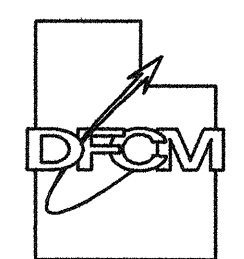
SCALE 1" = 20'-0"

## LEGEND



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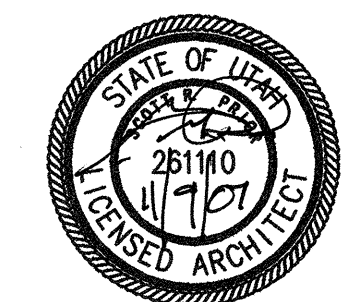
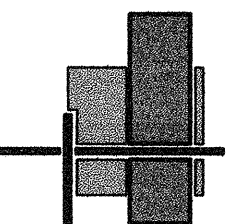
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architecture      planning      design

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# CAMPGROUND EXISTING SITE SURVEY

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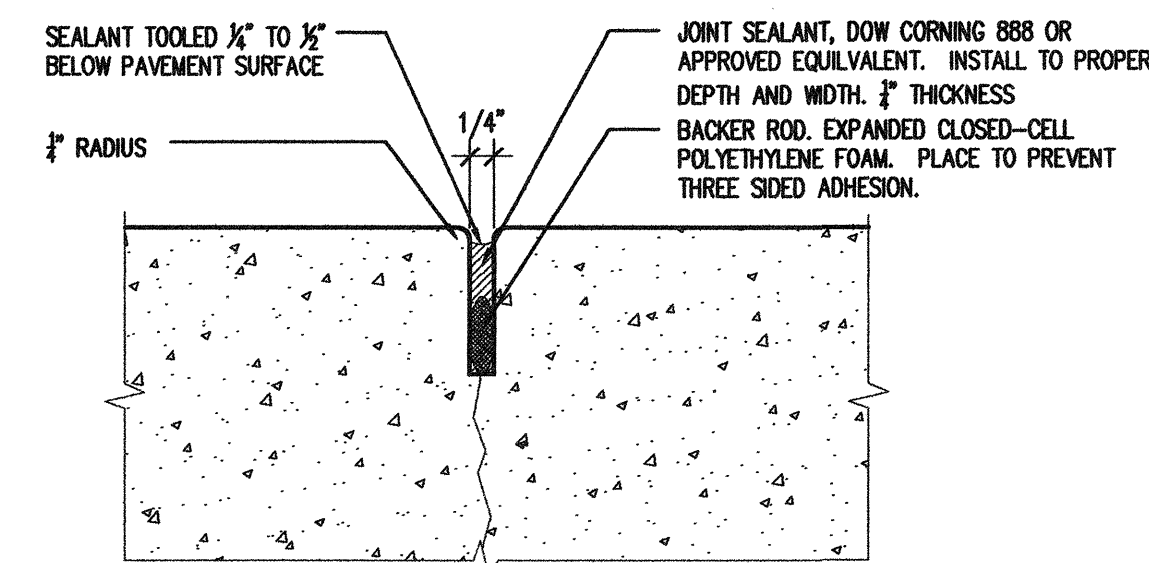
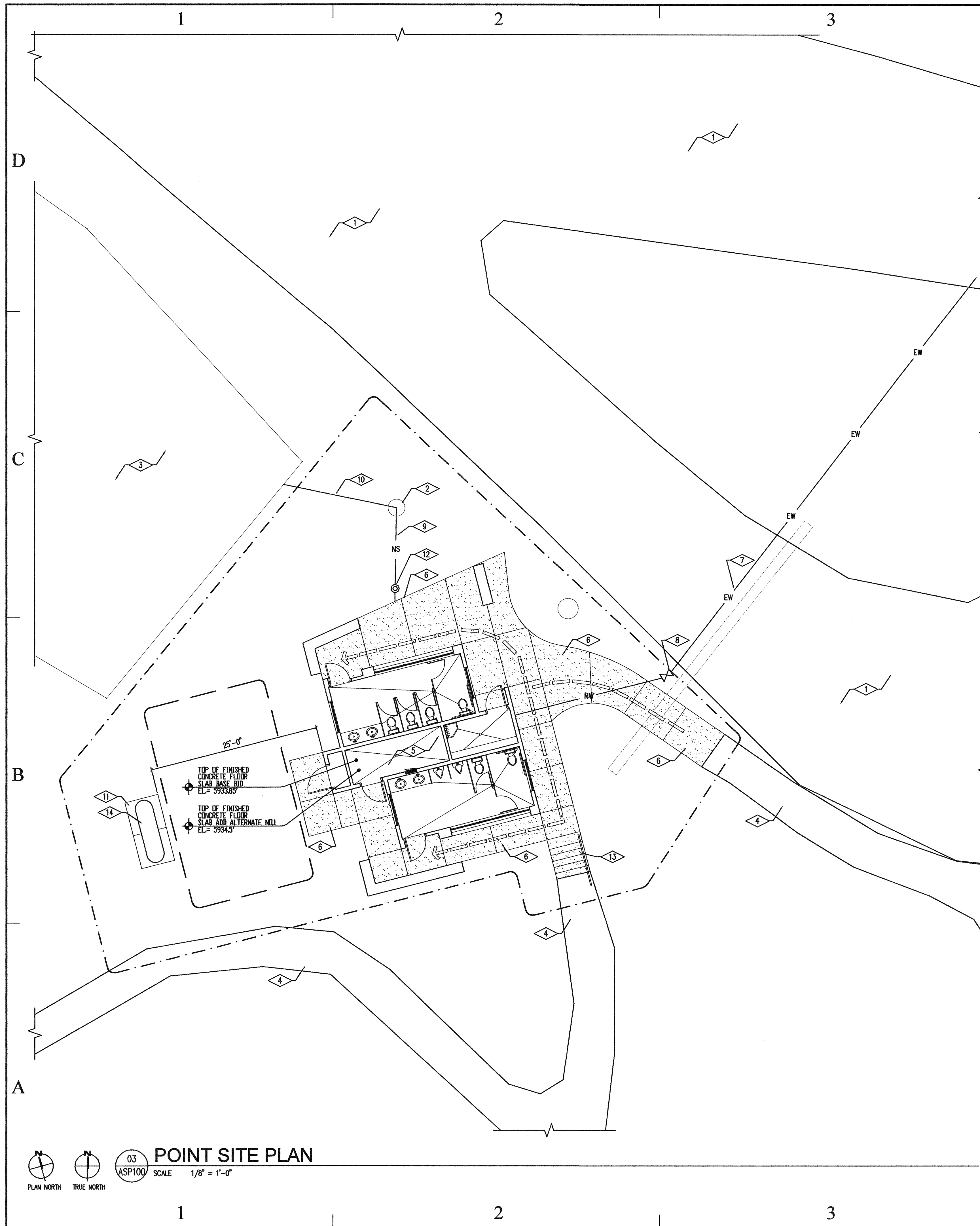
**A-G1003**

SHEET 4 OF 25

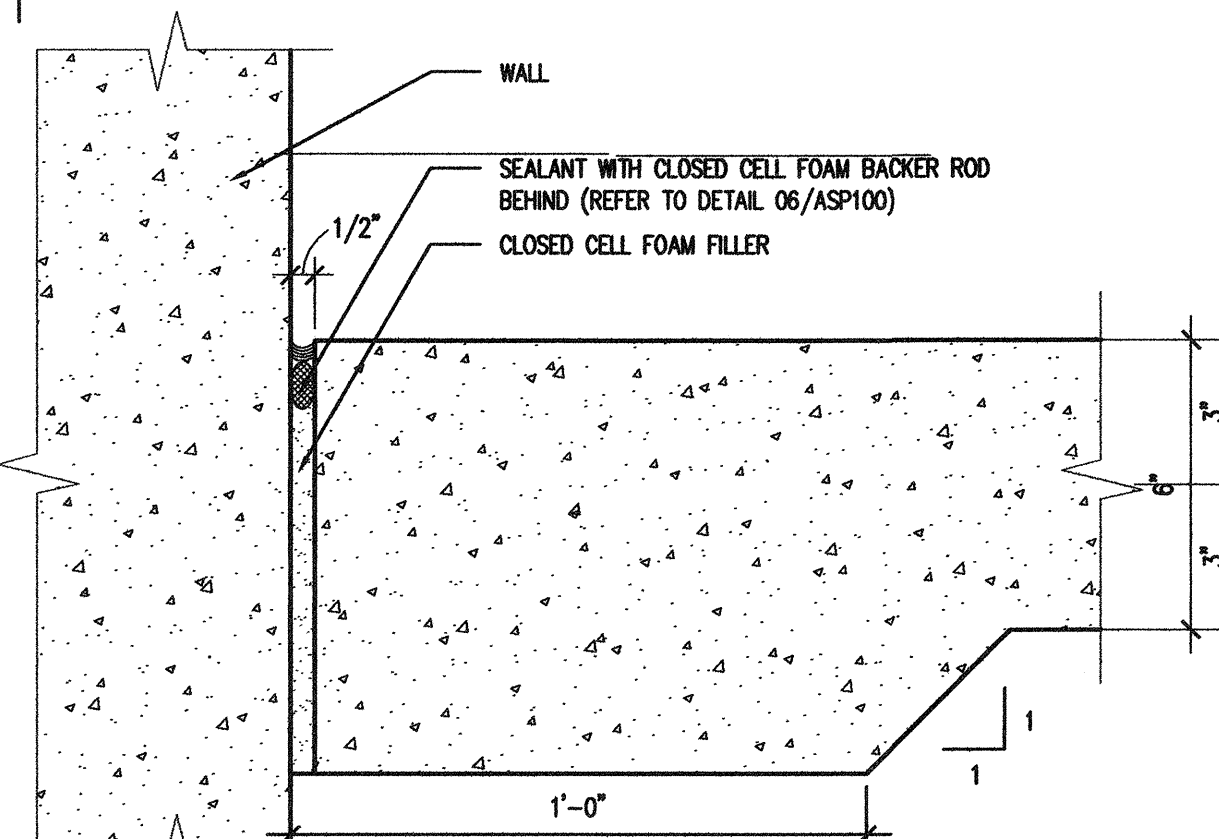


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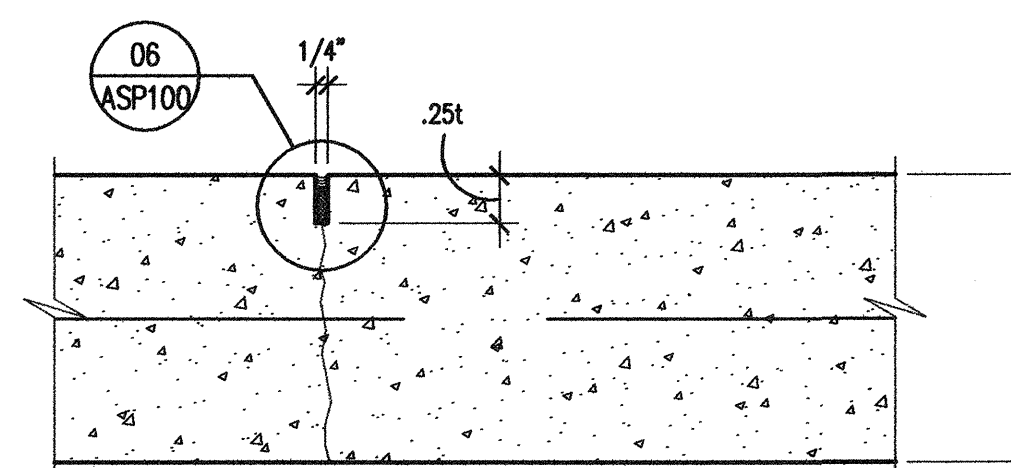




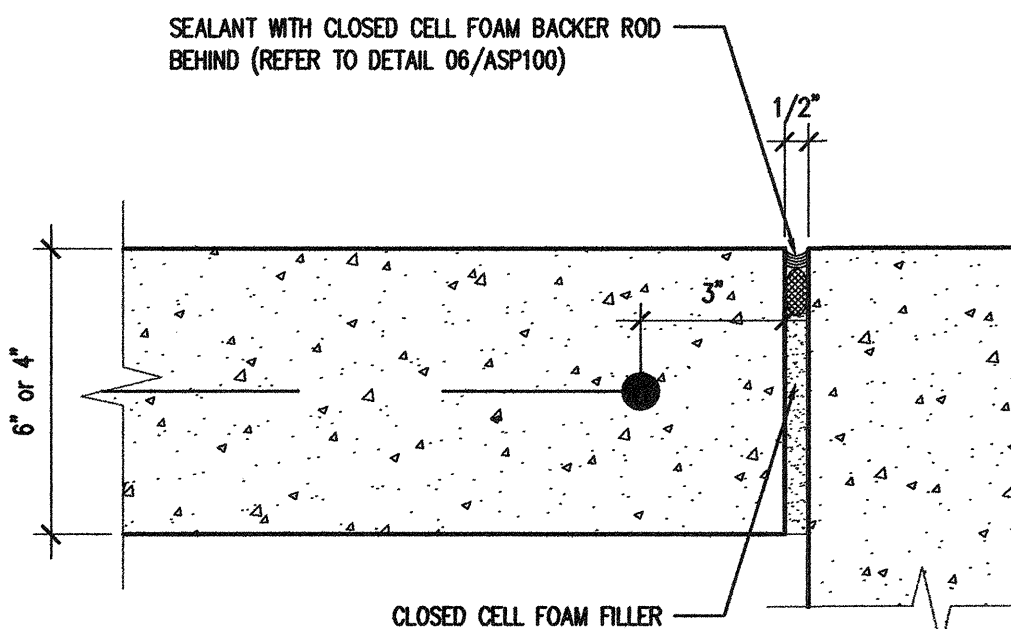
06 TYP. JOINT SEALANT  
SCALE 6" = 1'-0"



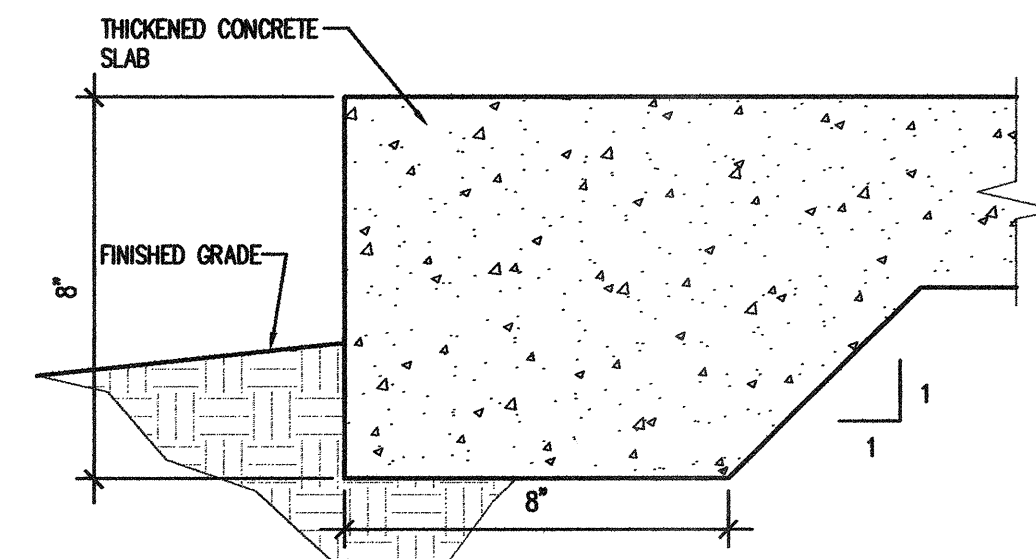
05 SLAB PERIMETER JOINT  
SCALE 3" = 1'-0"



04 TYP. SLAB CONT. JOINT  
SCALE 3" = 1'-0"



02 TYP. SLAB EXP. JOINT  
SCALE 3" = 1'-0"



01 SLAB PERIMETER JOINT  
SCALE 3" = 1'-0"

## REFERENCE NOTES

- EXISTING ASPHALT PARKING AREAS AND ROADWAYS NOT TO BE DISTURBED.
- EXISTING SEPTIC TANK SYSTEM TO BE REMOVED. GENERAL CONTRACTOR IS RESPONSIBLE TO VERIFY WITH LOCAL AUTHORITIES ON ALL REQUIREMENTS FOR REMOVAL OF EXISTING SEPTIC TANK. GENERAL CONTRACTOR IS RESPONSIBLE TO PAY ALL REQUIRED FEES ASSOCIATED WITH SEPTIC TANK DISPOSAL AND ANY APPLICATIONS FOR SEPTIC TANK REMOVAL. SEE CIVIL DRAWINGS FOR SIZE OF NEW SEPTIC TANK AND NEW LINE LOCATION.
- EXISTING SEPTIC SYSTEM LEACH AREA TO REMAIN UNDISTURBED.
- EXISTING CONCRETE SIDE WALK NOT TO BE DISTURBED.
- NEW RESTROOM, SEE PLANS.
- NEW 4" THICK COLORED CONCRETE WALKWAY OVER 4" COMPACTED ROAD BASE. SEE ASSOCIATED CONCRETE SIDEWALK DETAILS THIS SHEET. SEE CONCRETE EDGE OF SIDE WALK DETAIL.
- EXISTING WATER LINE TO REMAIN UNDISTURBED.
- NEW STOP AND WASTE VALVE. SEE DETAIL 02/ASP100.
- NEW SEWER LINE. SEE CIVIL DRAWINGS FOR SIZE AND TYPE.
- EXISTING SEWER LINE TO EXISTING LEACH FIELD LOCATION TO REMAIN UNDISTURBED. GENERAL CONTRACTOR SHALL CONNECT EXISTING SEWER LINE TO NEW SEPTIC TANK.
- NEW 5'-0" x 10'-0" x 6" THICK COLORED CONCRETE PROPANE TANK PAD OVER 4" COMPACTED ROAD BASE. PROVIDE #5 BARS @ 12" O.C. EACH WAY IN NEW CONCRETE PROPANE TANK PAD.
- SEWER LINE CLEANOUT. SEE DETAIL 03/ASP100.
- NEW CONCRETE STAIRS AS REQUIRED PER ADD ALT #1. SEE STAIR SECTION 01/AAA700.
- PROPANE TANK N.I.C.

## LEGEND

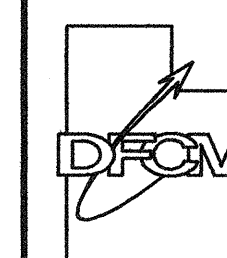
- NEW 4" COLORED CONCRETE SLAB OVER 4" COMPACTED ROAD BASE
- CONTRACT LIMIT LINE
- CONTRACTOR STAGING AREA
- ADA ACCESSIBLE ROUTES
- EW - EXISTING WATER LINE TO REMAIN UNDISTURBED
- NW - NEW WATER LINE
- NS - NEW SEWER LINE

## ADDITIONAL CIVIL NOTES

- SANITARY SEWER NOTES:
- NEW SEWER PIPE AND FITTINGS TO CONFORM WITH UNIFORM PLUMBING CODE (UPC) AND BE 4" DIAMETER AND MEET ASTM D1785 DWV SCHEDULE 40. A MINIMUM ONE FOOT OF COVER IS REQUIRED OR ENCASING IS REQUIRED.
  - ONE 3000 GAL SEPTIC TANK TO BE LOCATED IN SAME POSITION AS EXISTING SEPTIC TANK. CONTRACTOR TO SUBMIT SHOP DRAWINGS AT LEAST 14 DAYS PRIOR TO INSTALLATION FOR APPROVAL.
- GRADING NOTES:
- FINISHED CONCRETE SLAB SURFACE ELEVATION FOR BASE BID TO BE 5933.85'. GENERAL CONTRACTOR SHALL PROVIDE 2 CUBIC YARD OF STRUCTURAL FILL TO BE PLACED AT SITE FOR BASE BID.

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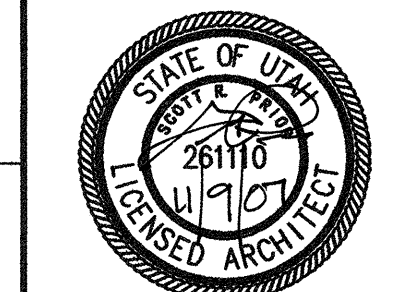
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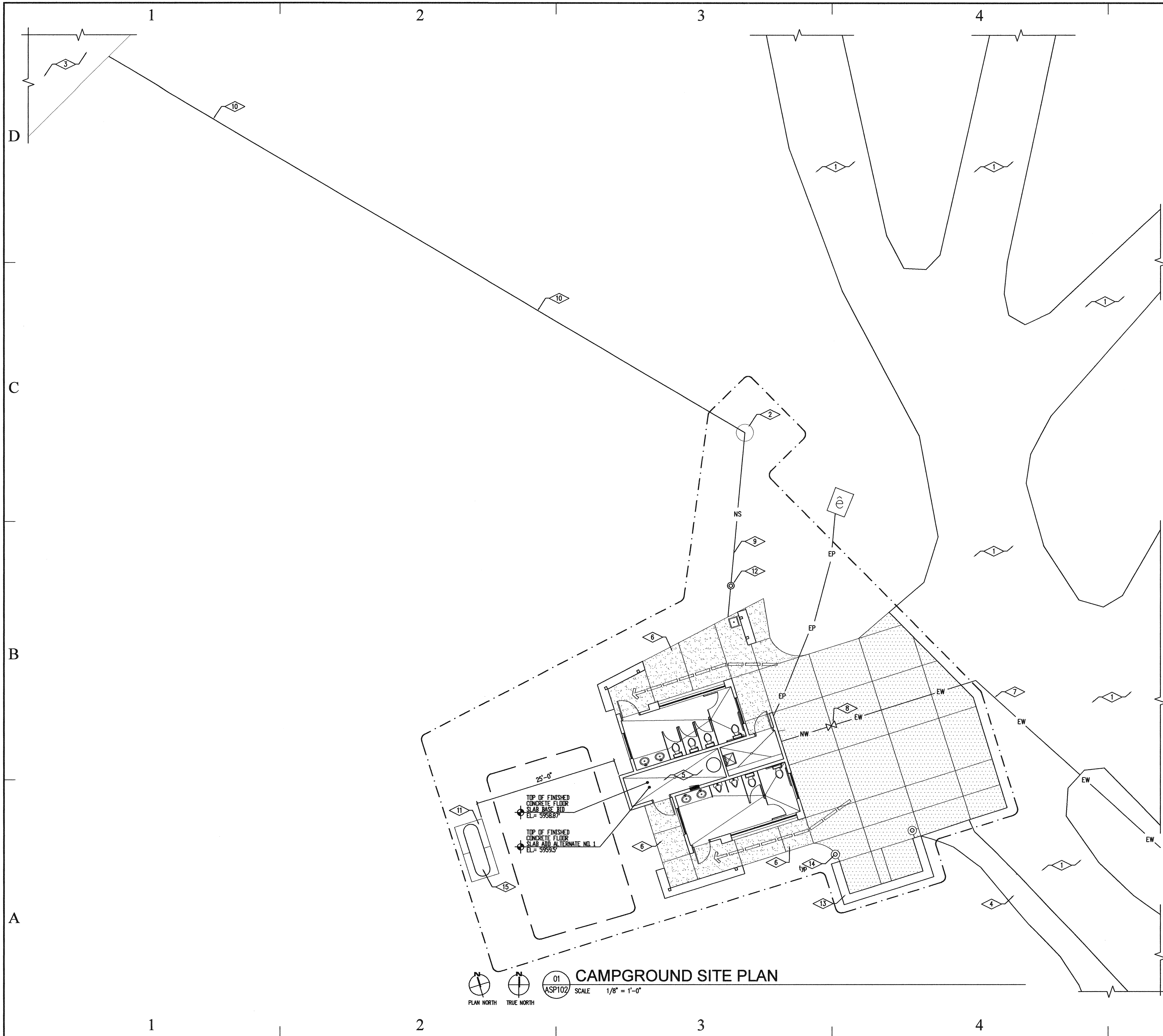
POINT SITE PLAN

SHEET NUMBER

A-SP101

SHEET 6 OF 25





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- 12 SEWER LINE CLEANOUT, SEE DETAIL 03/ASP100.
- 13 NEW DUMPSTER ENCLOSURE. SEE ENLARGED PLAN AND DETAILS SHEET ASP100.
- 14 6" DIA CONCRETE FILLED STEEL PIPE BOLLARD, SEE DETAIL 07/ASP100.
- 15 PROPANE TANK N.I.C.

LEGEND

- NEW 4" COLORED CONCRETE SLAB OVER 4" COMPACTED ROAD BASE
- NEW 6" COLORED CONCRETE SLAB OVER 4" COMPACTED ROAD BASE
- CONTRACT LIMIT LINE
- CONTRACTOR STAGING AREA
- ADA ACCESSIBLE ROUTES
- EW EXISTING WATER LINE TO REMAIN UNDISTURBED
- NW NEW WATER LINE
- NS NEW SEWER LINE
- EP EXISTING POWER LINE. GENERAL CONTRACTOR SHALL VERIFY EXACT LOCATION ON SITE

ADDITIONAL CIVIL NOTES

- SANITARY SEWER NOTES:
1. NEW SEWER PIPE AND FITTINGS TO CONFORM WITH UNIFORM PLUMBING CODE (UPC) AND BE 4" DIAMETER AND MEET ASTM D1785 DWV SCHEDULE 40. A MINIMUM ONE FOOT OF COVER IS REQUIRED OR ENCASING IS REQUIRED.
  2. ONE 3000 GAL SEPTIC TANK TO BE LOCATED IN SAME POSITION AS EXISTING SEPTIC TANK. CONTRACTOR TO SUBMIT SHOP DRAWINGS AT LEAST 14 DAYS PRIOR TO INSTALLATION FOR APPROVAL.
- GRADING NOTES:
1. FINISHED CONCRETE SLAB SURFACE ELEVATION FOR BASE BID TO BE 5958.5. GENERAL CONTRACTOR SHALL PROVIDE 12 CUBIC YARD OF STRUCTURAL FILL TO BE PLACED AT SITE FOR BASE BID.

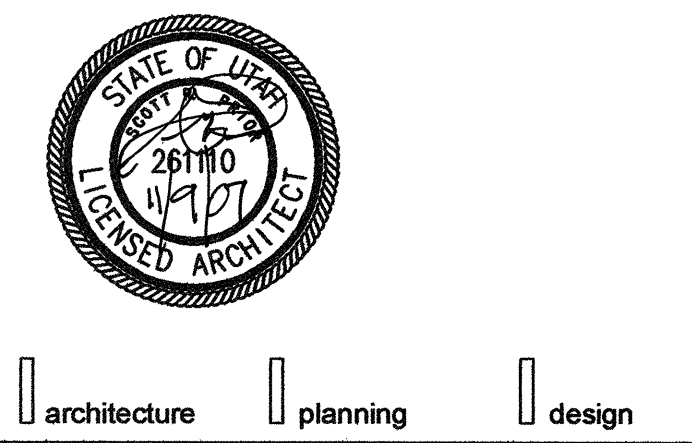
State of Utah

Department of Administrative Services

**Division of Facilities Construction & Management**  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267  
Internet: <http://www.dfc.state.ut.us>

CREATED BY: P+A architects

**P+A architects**  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail: [parchitects@comcast.net](mailto:parchitects@comcast.net)



CONSULTANT: xyz engineering

PROJECT TITLE:

DIVISION OF PARKS AND RECREATION

DEAD HORSE POINT RESTROOM IMPROVEMENTS

DEAD HORSE POINT STATE PARK  
STATE ROAD 313  
P.O. BOX 609  
MOAB, UTAH 84532-0609

MARK	DATE	DESCRIPTION
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ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 9th November, 2007

DFCM PROJECT NO: 07321510  
CAD PROJECT NO:  
CAD DWG FILE:  
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SHEET TITLE

CAMPGROUND SITE PLAN

SHEET NUMBER

A-SP102

SHEET 7 OF 25



# CEILING PLAN REFERENCE NOTES

- 1 SOLATUBE OR EQUAL SKYLIGHT LIGHT TUBE, SEE SPECIFICATIONS
- 2 PREFINISHED, SEAMLESS ALUMINUM RAIN GUTTER WITH RAIN CHAIN DOWN SPOUT, SEE DETAILS
- 3 DOWN SPOUT LOCATION

# CEILING PLAN GENERAL NOTES

1. NONE

# CEILING PLAN LEGEND

- N □ RECESSED CAN LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
- W □ WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
- 101 ROOM NUMBER
- 9'-0" CEILING HEIGHT
- CT-1 CEILING TYPE
- SOLATUBE OR EQUAL SKYLIGHT LIGHT TUBE, SEE SPECIFICATIONS

# FLOOR PLAN REFERENCE NOTES

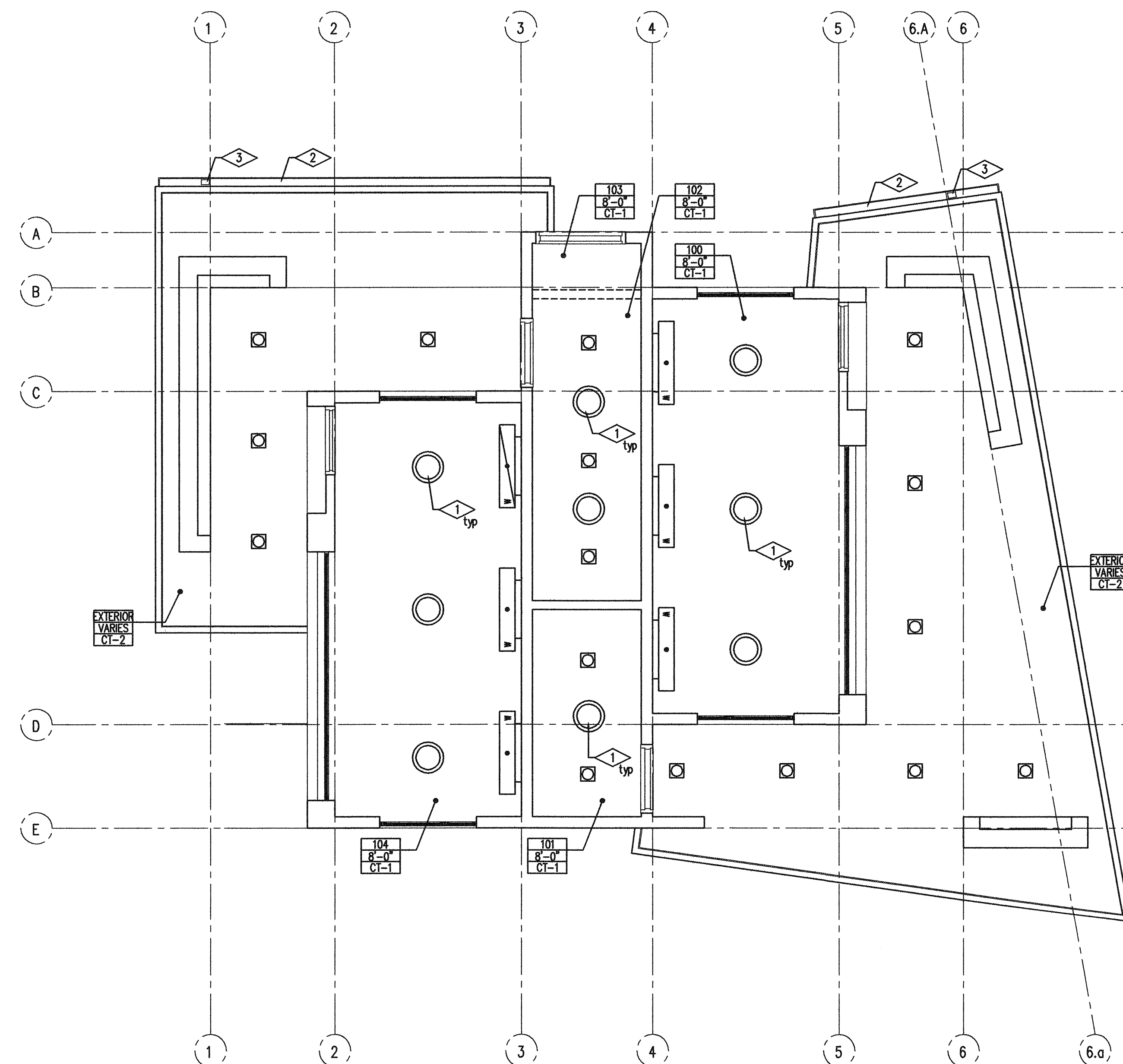
- 1 PLASTIC TOILET PARTITIONS, SEE SPECIFICATIONS
- 2 PLASTIC LAMINATE COUNTER TOPS, SEE SECTION
- 3 JANITORS SINK, SEE PLUMBING DRAWINGS
- 4 UTILITY SINK AT CAMP GROUND RESTROOM ONLY, SEE PLUMBING DRAWINGS
- 5 5'-0" DIA. ADA TURNING
- 6 LAVATORY, SEE PLUMBING DRAWINGS
- 7 4" COLORED EXTERIOR CONCRETE SIDE WALK OVER 4" COMPACTED ROAD BASE, SLOPE AWAY FROM BUILDING
- 8 GENERAL CONTRACTOR TO PROVIDE NEW 4" CONCRETE FLOOR SLAB OVER 4" COMPACTED ROAD BASE. AT BATHROOM LOCATIONS GENERAL CONTRACTOR SHALL RECESS FLOOR SLAB 1 1/2" TO PROVIDE THICKSET TILE APPLICATION AS NOTED ON FLOOR FINISH SCHEDULE.
- 9 WALL MOUNTED GRAB BAR, SEE SPECIFICATIONS
- 10 WALL MOUNTED WATER CLOSET, SEE PLUMBING DRAWING
- 11 ACCESSIBLE WATER CLOSET, SEE PLUMBING DRAWING
- 12 NOTE
- 13 WALL MOUNTED WATERLESS URINAL, SEE PLUMBING DRAWING
- 14 BATTERY ROOM TO BE CONSTRUCTED AT POINT RESTROOM ONLY
- 15 WALL MOUNTED MOP RACK, SEE SPECIFICATIONS
- 16 3/4" SANDED ONE SIDE PLYWOOD SHELFING ON HEAVY DUTY SHELFING STANDARDS AND BRACKETS, SEE INTERIOR ELEVATIONS
- 17 DASHED LINES INDICATE ROOF LINE ABOVE
- 18 FACE OF WOOD COLUMN
- 19 THREE LAYERS OF WALL SHEATHING THIS WALL SURFACE ONLY AS PER WALL SECTION 04/BS300

# FLOOR PLAN GENERAL NOTES

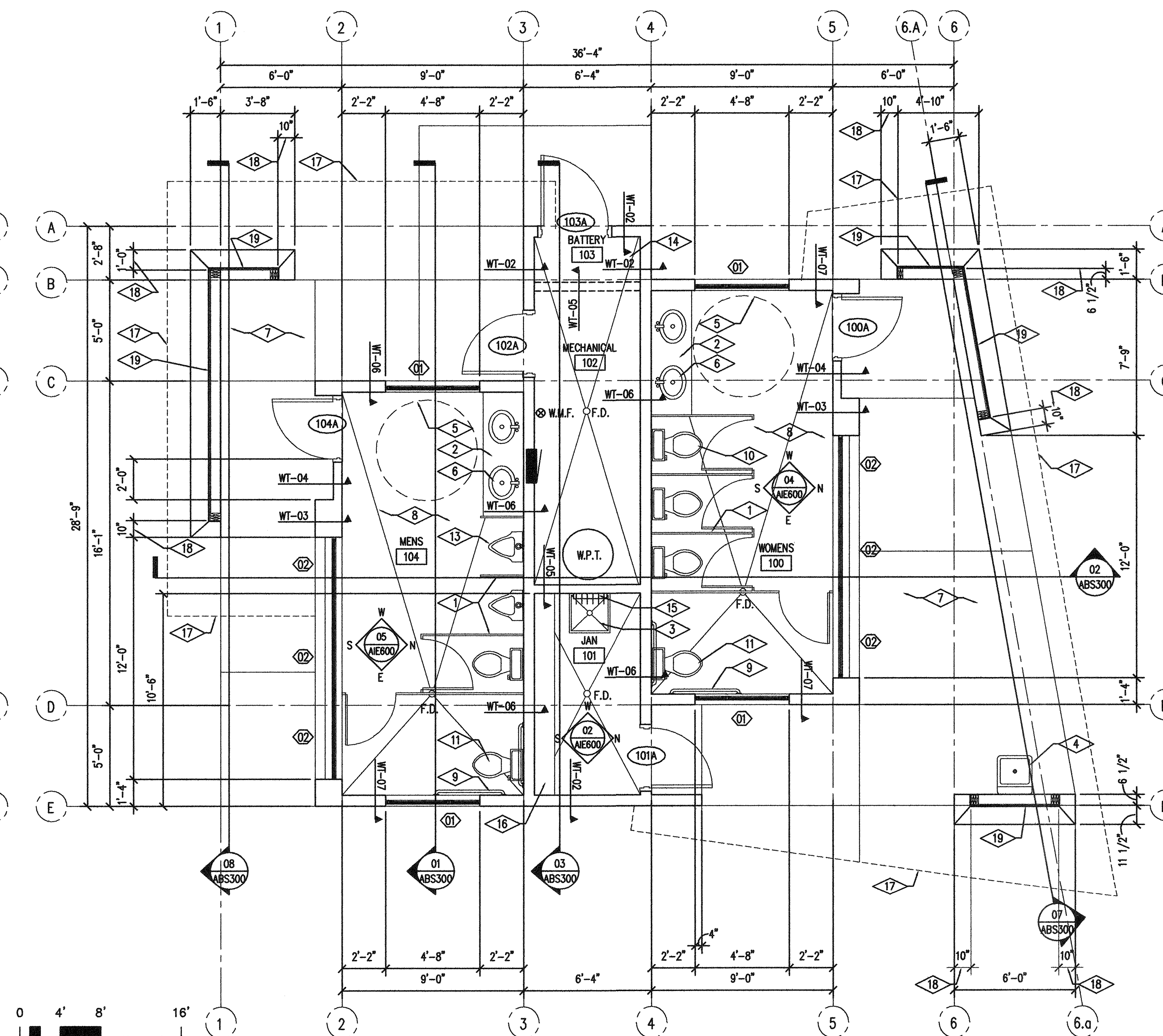
1. GENERAL CONTRACTOR SHALL MAINTAIN VEHICLE ACCESS AT ALL TIMES TO ALL EXISTING BUILDINGS.
2. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF EXISTING ASPHALT, FENCING, CONCRETE, LANDSCAPING, ETC. DISTURBED OR DESTROYED DURING CONSTRUCTION.
3. ALL INTERIOR CONCRETE SHALL SLOPE TOWARDS FLOOR DRAINS. ALL EXTERIOR CONCRETE SHALL SLOPE AWAY FROM STRUCTURE
4. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES.
5. SEE WALL TYPES FOR WALL ASSEMBLIES.
6. CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL FIXTURES AND ACCESSORIES AND COORDINATE WITH A.D.A. REQUIREMENTS
7. GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE FRAMING AND BACKING FOR PROPER INSTALLATION OF ALL SHELVING CASEWORK AND BATHROOM FIXTURES.
8. UPON COMPLETION OF CONSTRUCTION IT IS THE GENERAL CONTRACTOR RESPONSIBILITY TO THOROUGHLY CLEAN ALL AREAS IN WHICH CONSTRUCTION TOOK PLACE AND AREAS AFFECTED BY THE CONSTRUCTION. THE GENERAL CONTRACTOR SHALL GRADE AND FINISH THE SITE TO CREATE A NATURAL LOOKING LANDSCAPING FINISH
9. DOOR 103A AND BATTERY ROOM 103 TO BE CONSTRUCTED AT THE POINT RESTROOM ONLY

# FLOOR PLAN FLOOR PLAN LEGEND

- W.M.F. □ WALL MOUNTED FIRE EXTINGUISHER
- 100A DOOR TAG
- RM. NAME ROOM TAG
- 100 ROOM TAG
- 01 WINDOW TAG
- W.P.T. WATER PRESSURE TANK AND PUMP SEE ELECTRICAL MECHANICAL AND PLUMBING DRAWINGS
- F.D. FLOOR DRAIN, SEE PLUMBING DRAWINGS



CEILING PLAN  
SCALE 1/4" = 1'-0"



FLOOR PLAN  
SCALE 1/4" = 1'-0"

## State of Utah

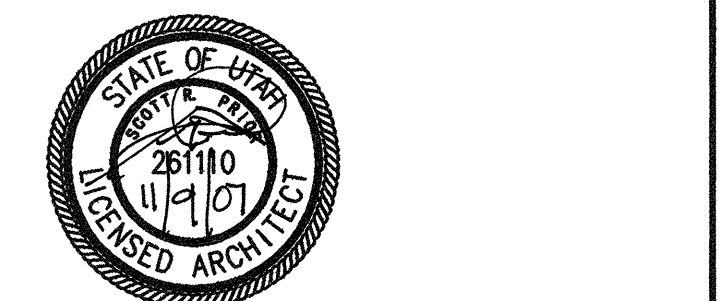
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architecture planning design

CONSULTANT: xyz engineering

PROJECT TITLE:

DIVISION OF PARKS  
AND RECREATION

DEAD HORSE POINT  
RESTROOM IMPROVEMENTS

DEAD HORSE POINT  
STATE PARK  
STATE ROAD 313  
P.O. BOX 609  
MOAB, UTAH 84532-0609

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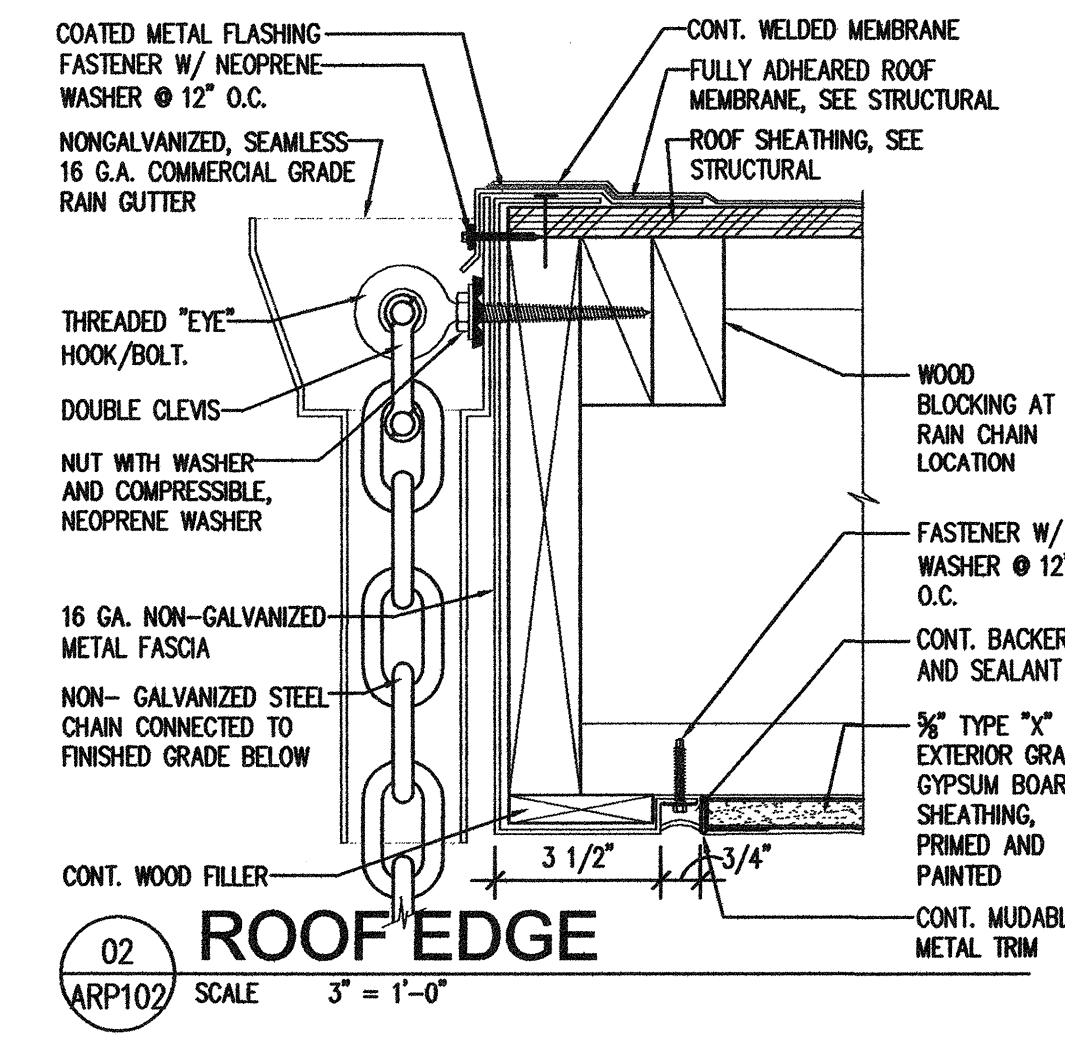
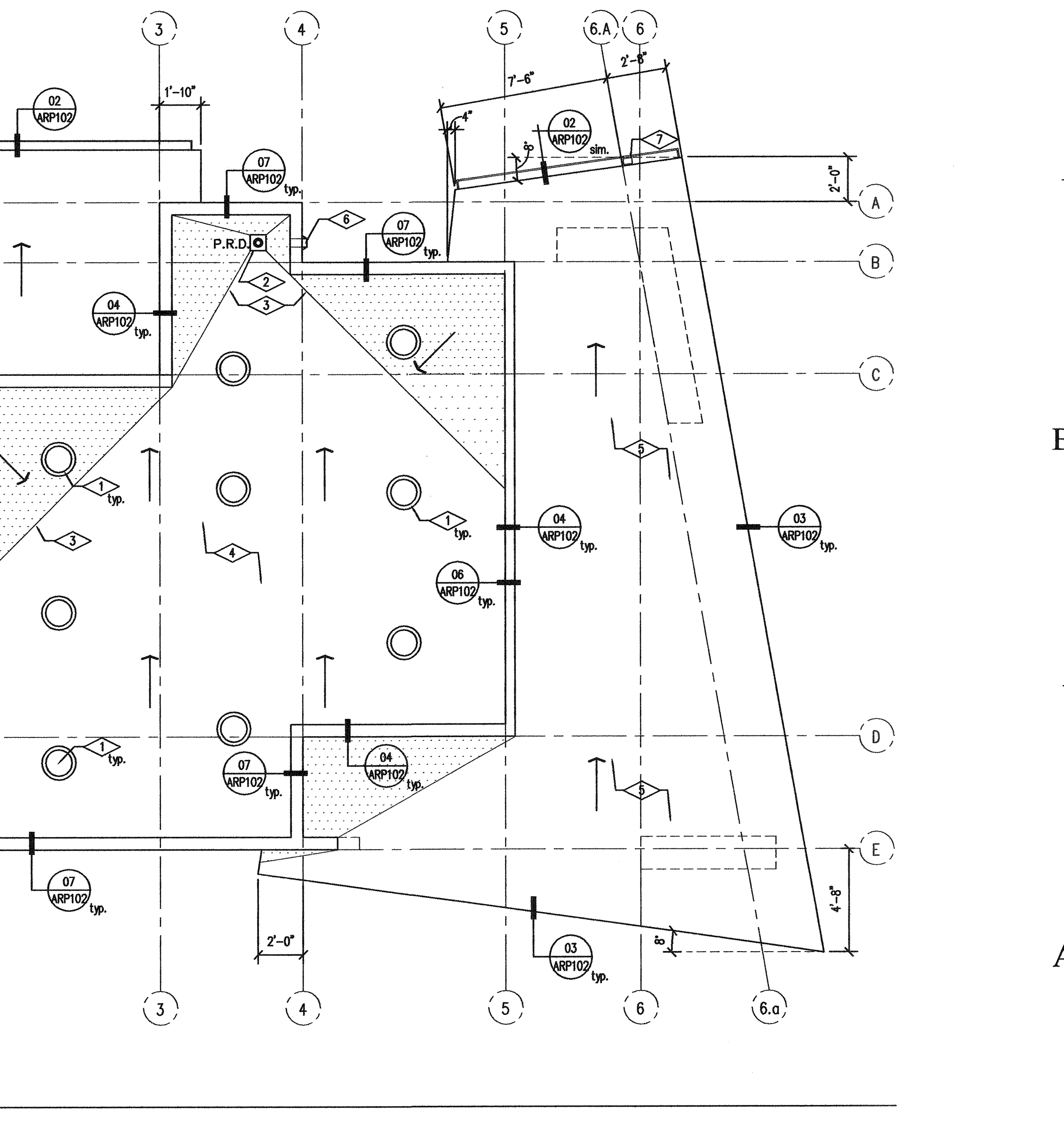
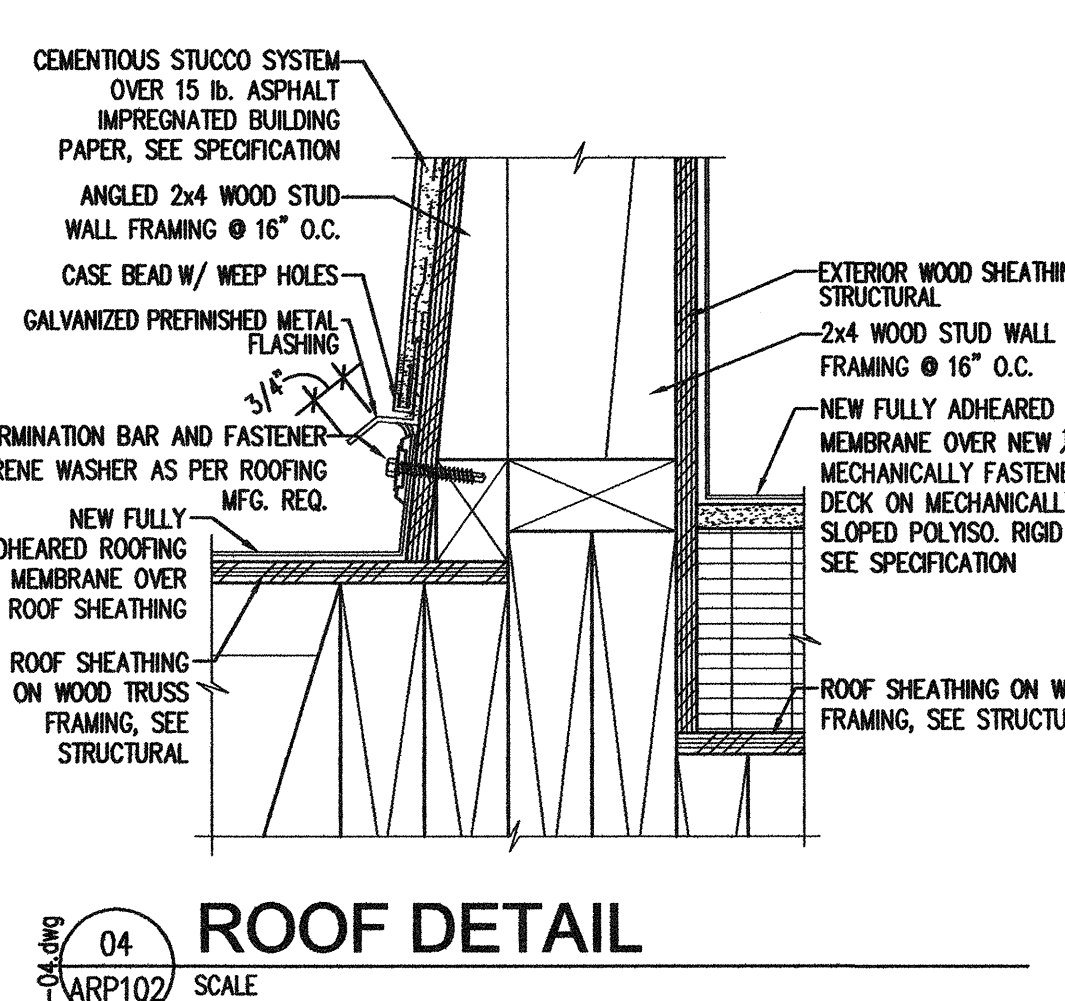
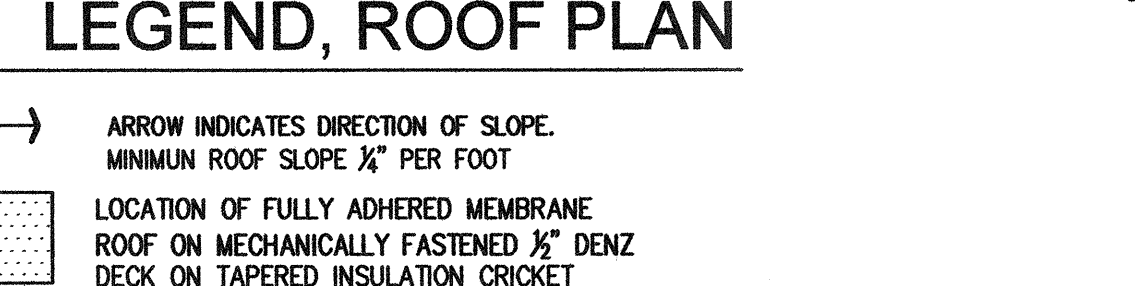
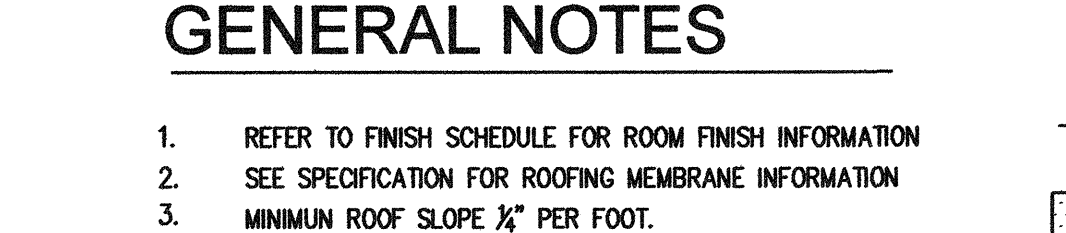
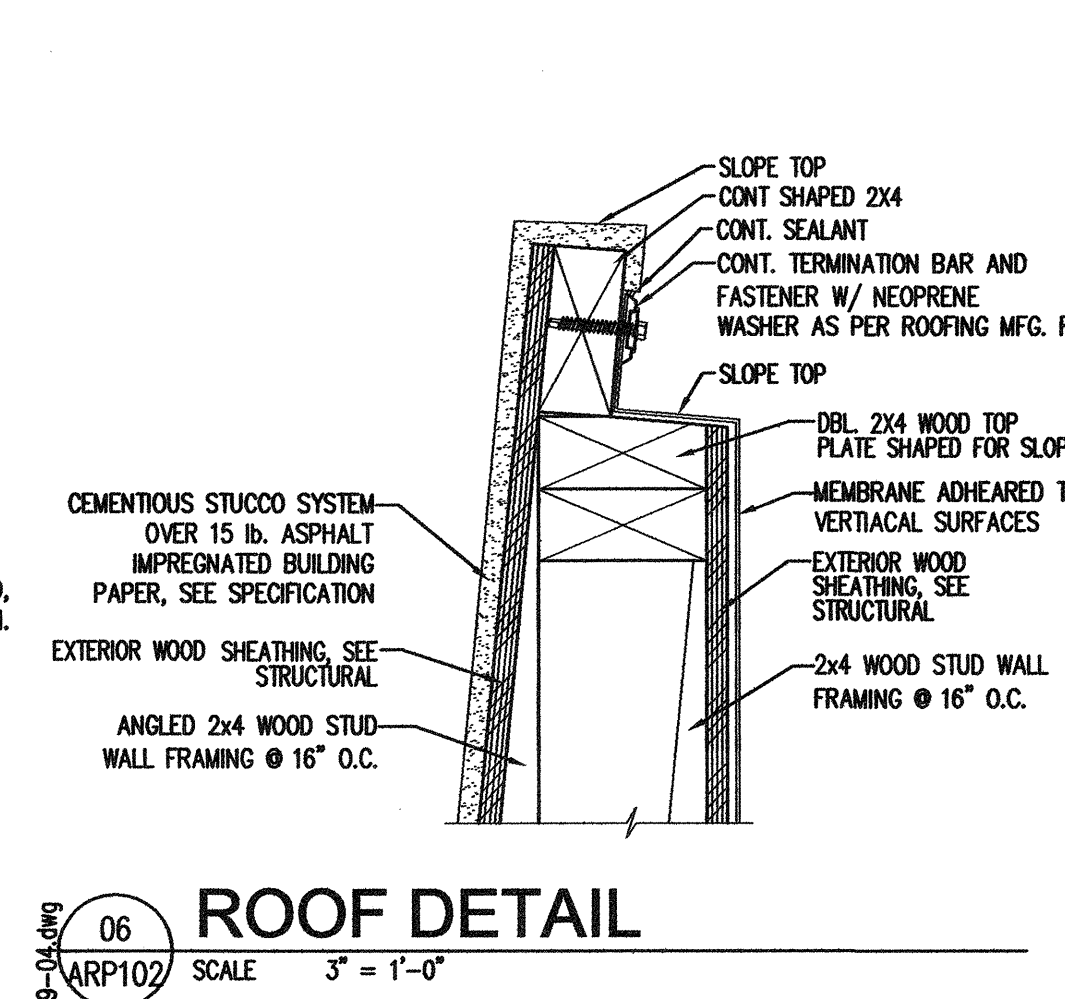
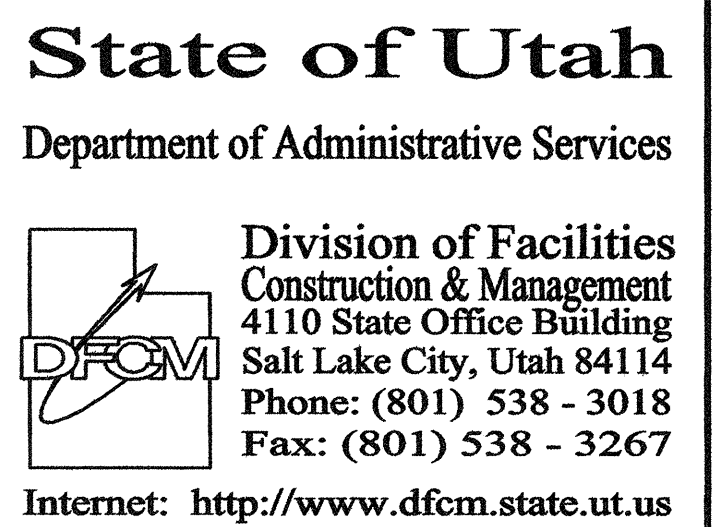
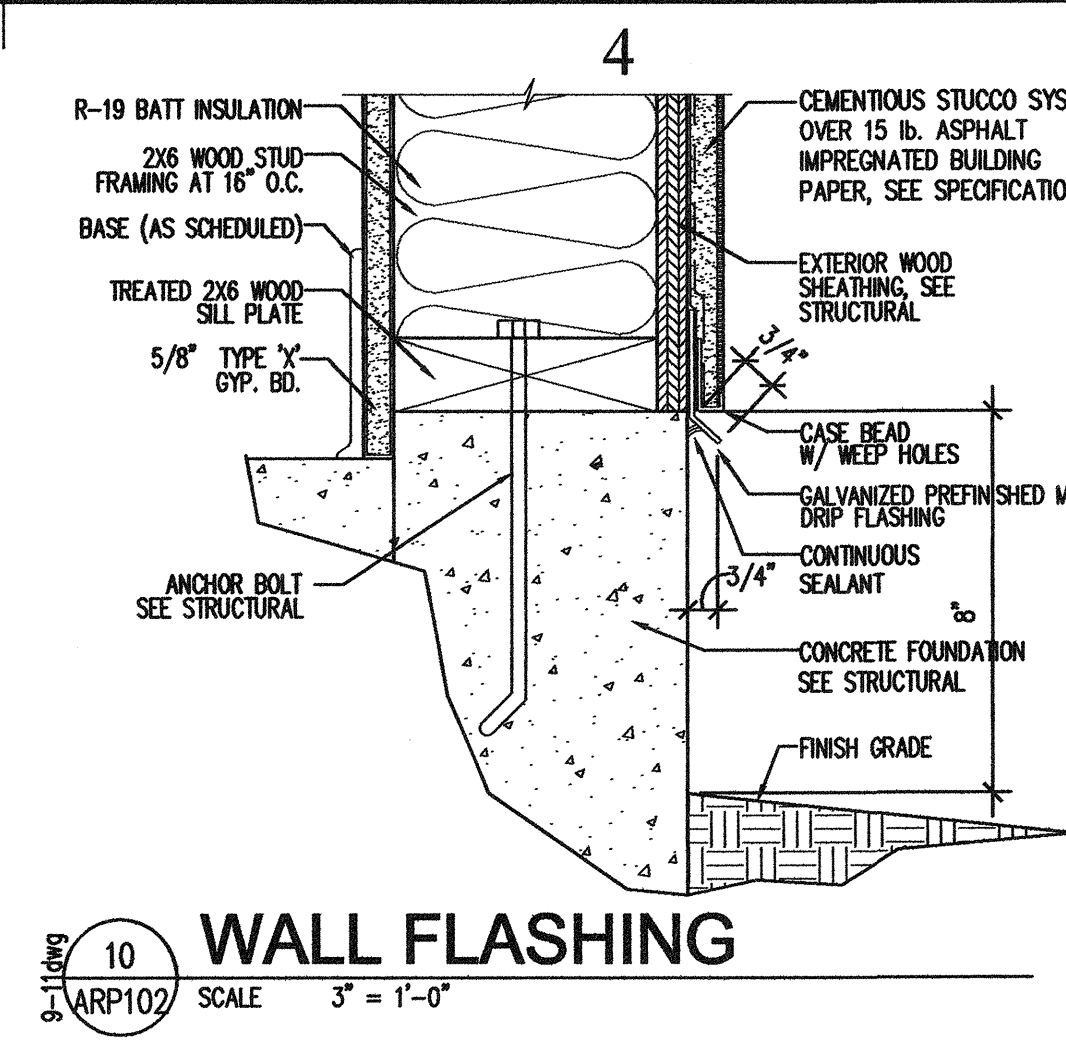
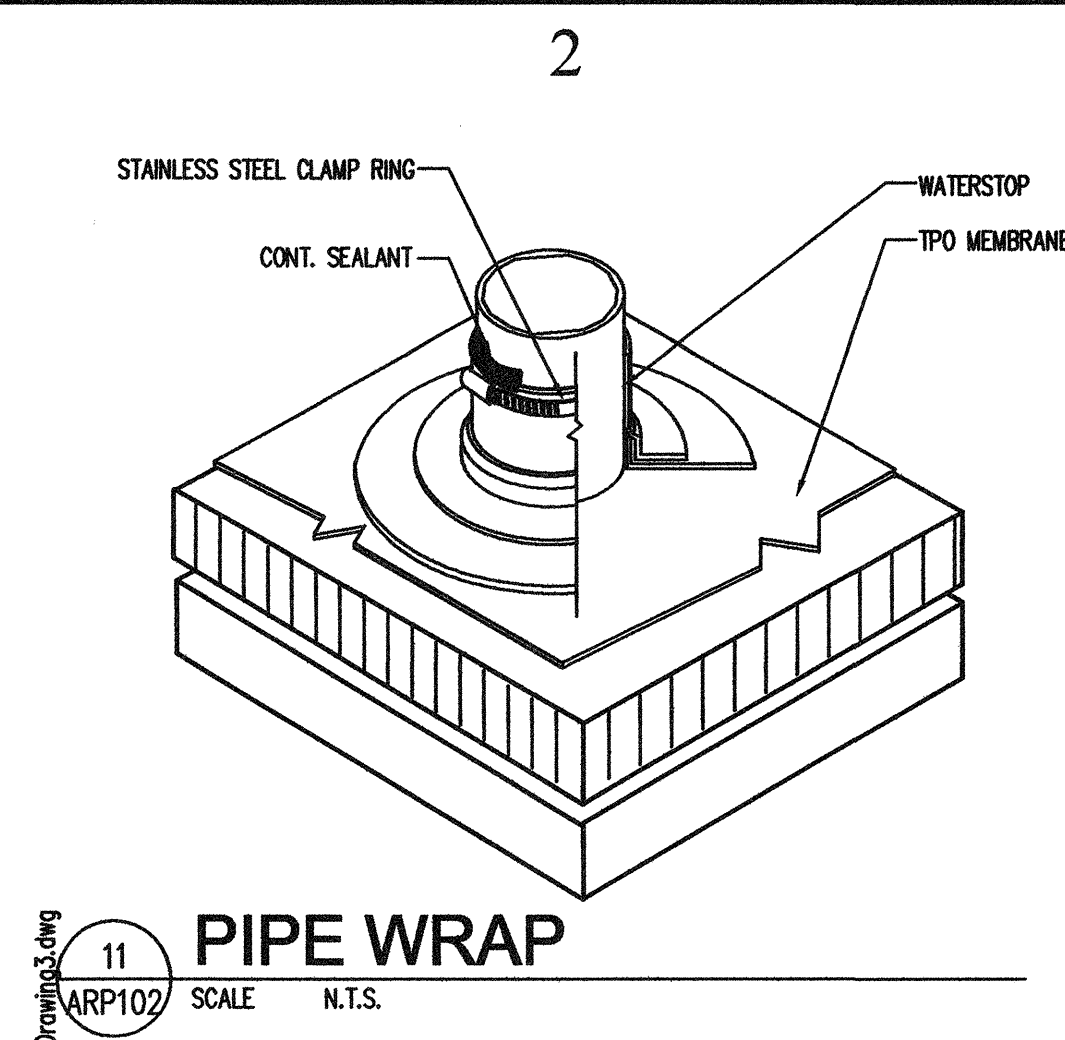
FLOOR PLAN  
AND  
CEILING PLAN

SHEET NUMBER

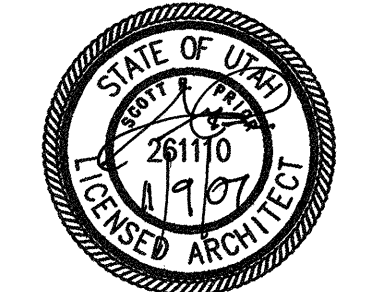
A-FP101

SHEET 8 OF 25





**P+A architects**  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)



☐ architecture    ☐ planning    ☐ design

CONSULTANT: xyz engineering

**Figure 1**

PROJECT TITLE:
DIVISION OF PARKS AND RECREATION
DEAD HORSE POINT RESTROOM IMPROVEMENTS

DEAD HORSE POINT  
STATE PARK  
STATE ROAD 313  
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MOAB, UTAH 84532-0609


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SHEET TITLE

## ROOF PLAN

ROOF DETAIL 2.2

## ROOF DETAILS &

MISC DETAIL

MISC. DETAIL

SHEET NUMBER

\_\_\_\_\_

A DD100

A-RP102

## ANNALS

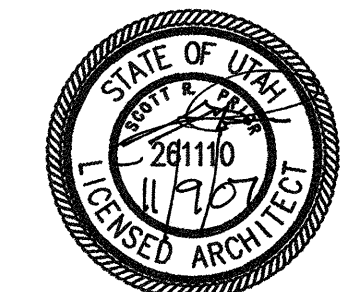
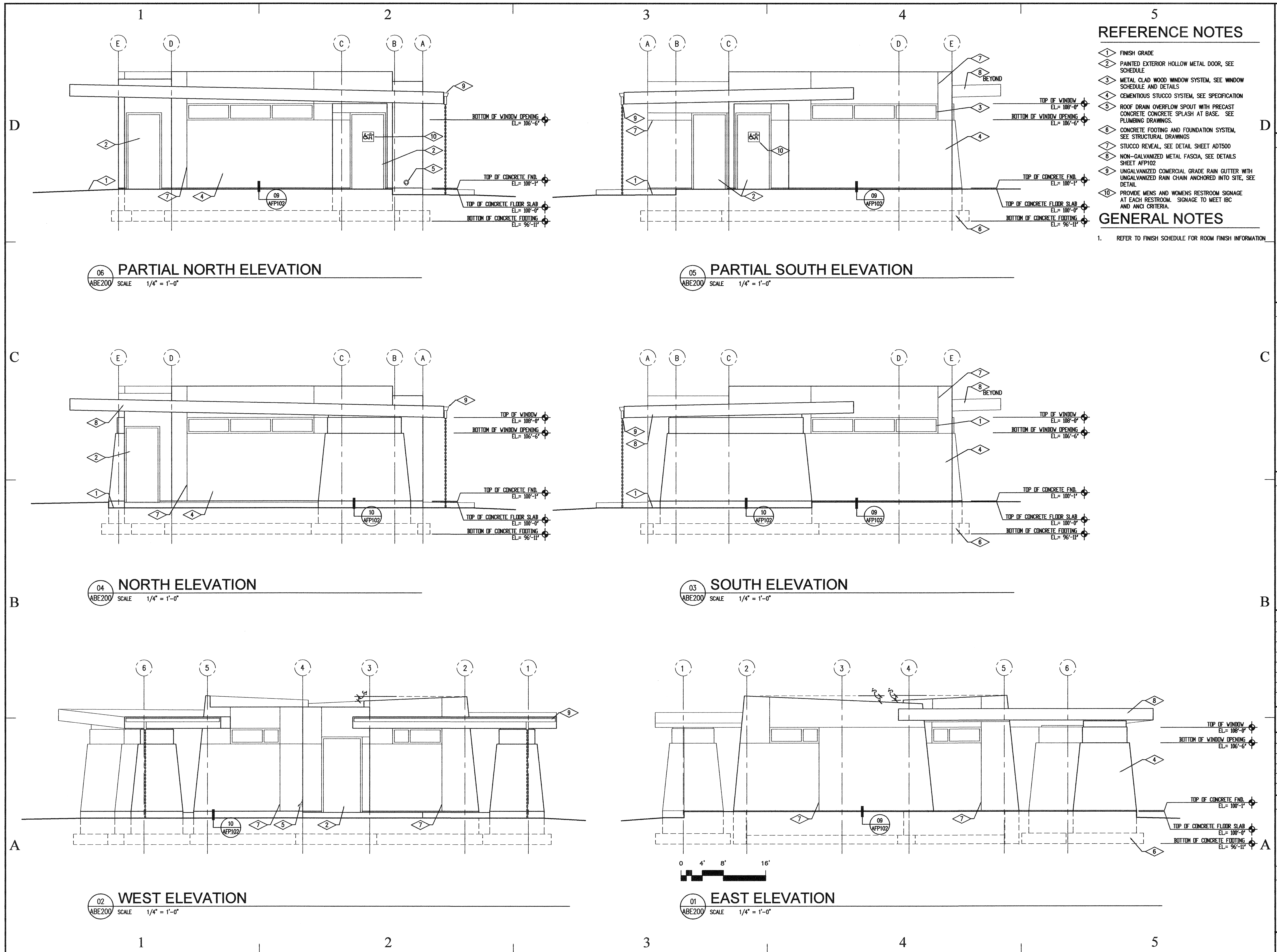
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SHEET 9 OF 25

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PROJECT TITLE:  
DIVISION OF PARKS  
AND RECREATION  
DEAD HORSE POINT  
RESTROOM IMPROVEMENTS  
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SHEET TITLE

BUILDING  
ELEVATIONS

SHEET NUMBER

A-BE200

SHEET 10 OF 25

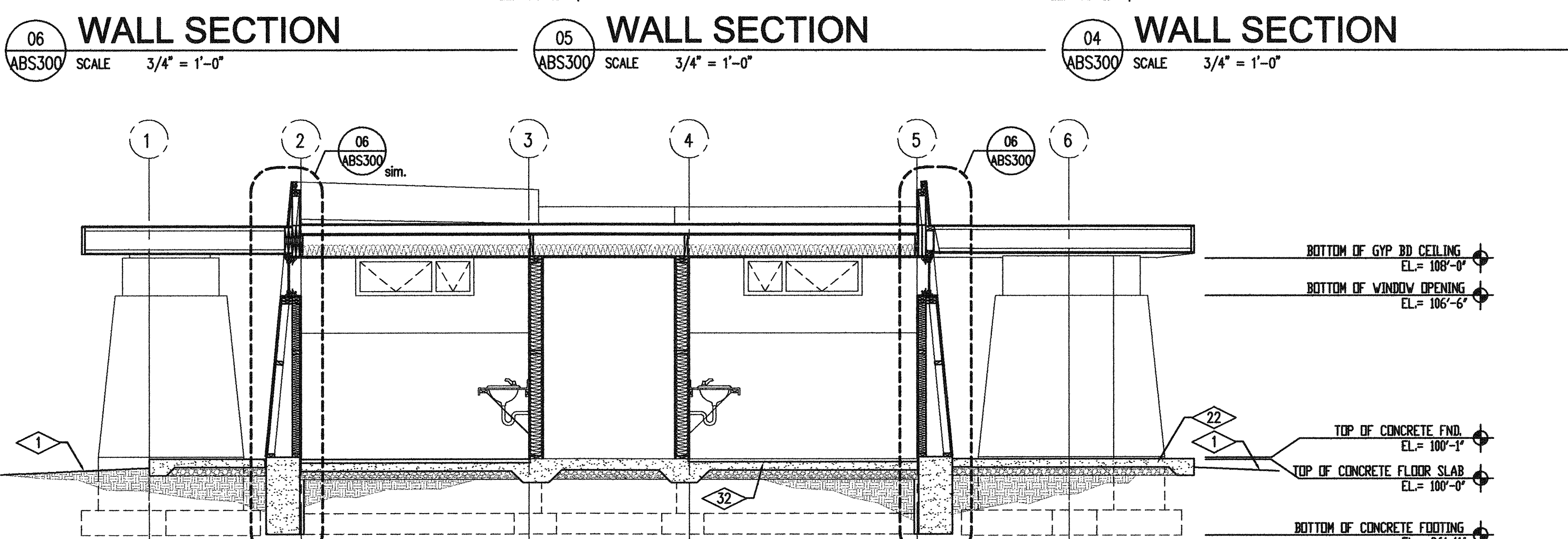
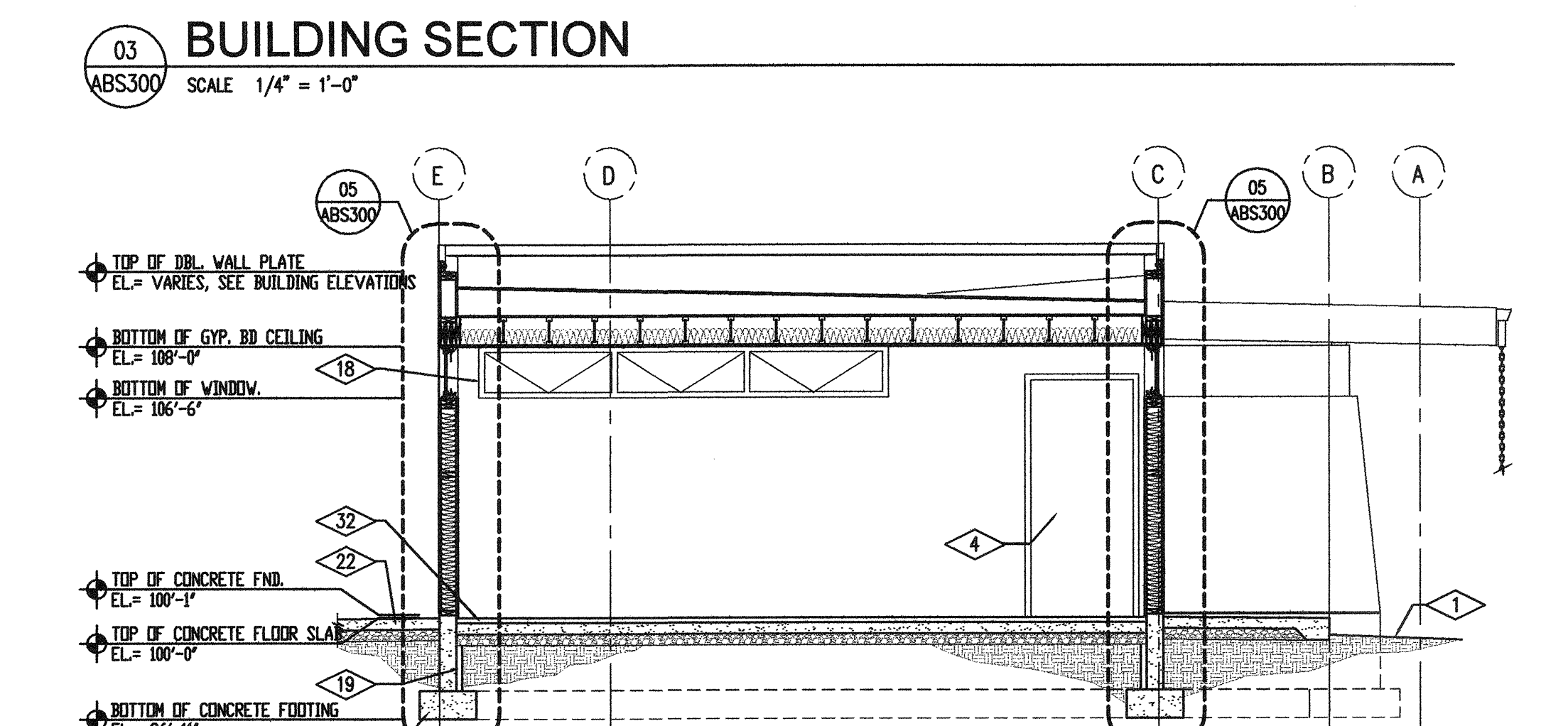
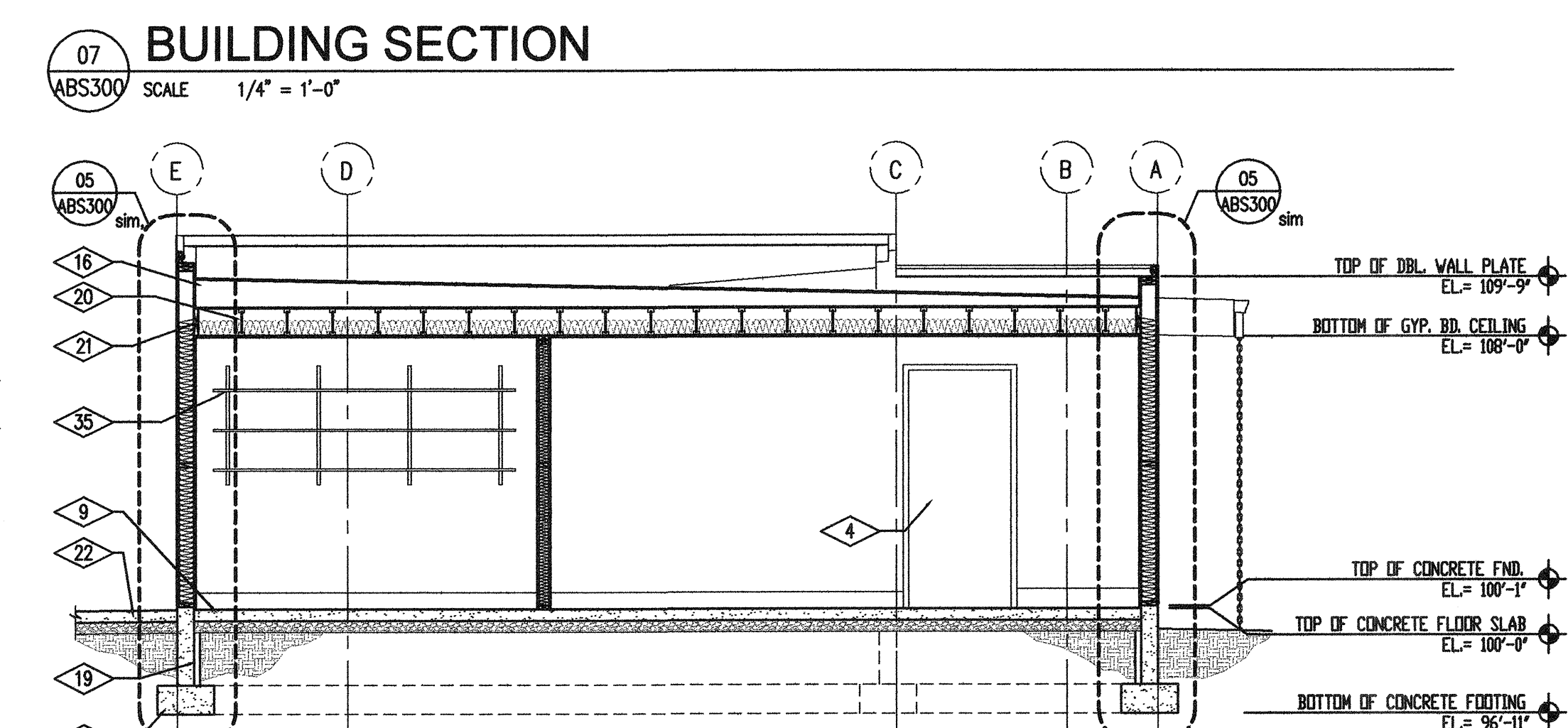
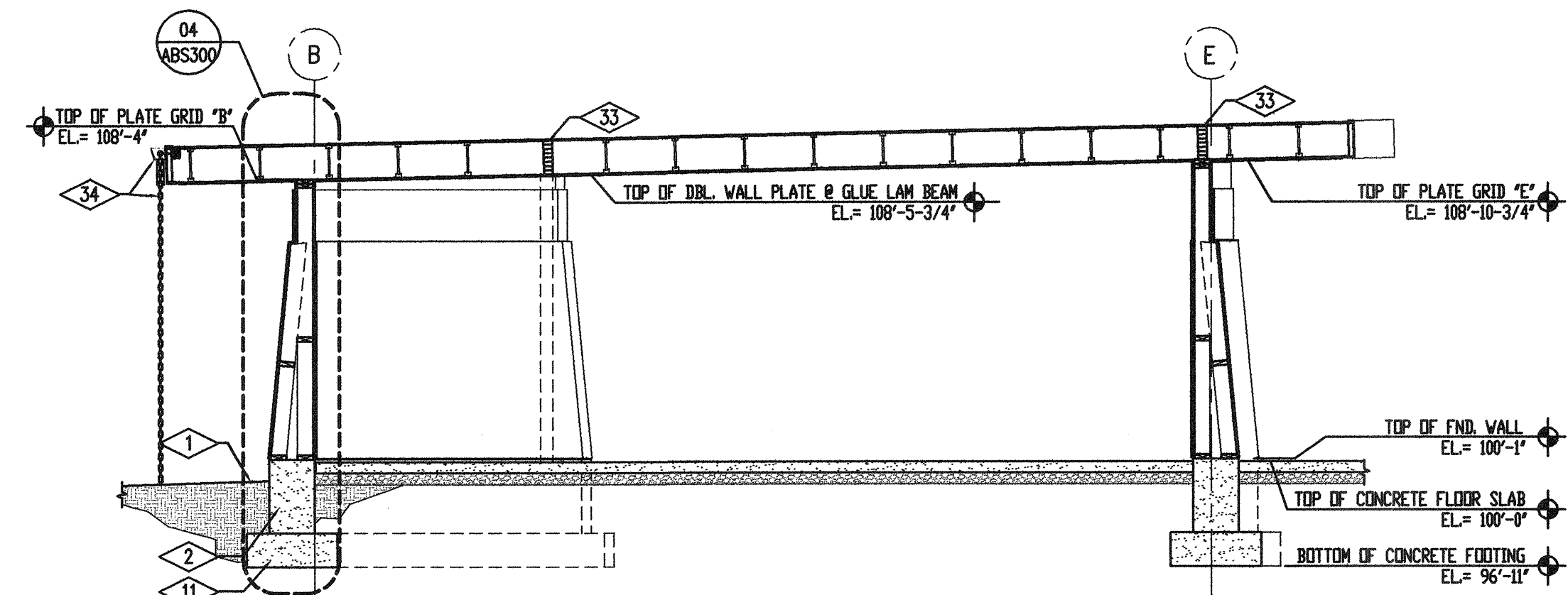
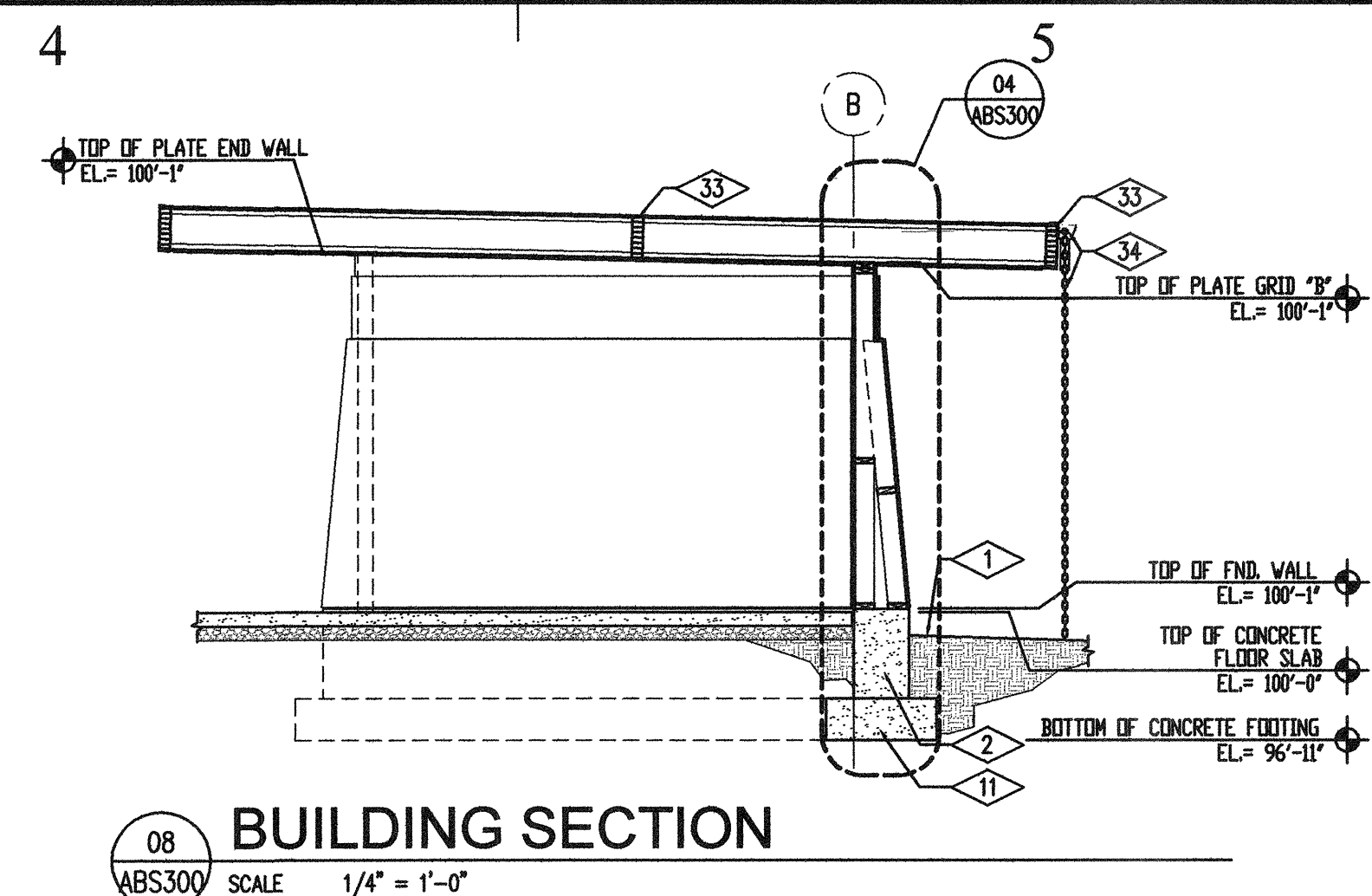


## REFERENCE NOTES

- 1 FINISH GRADE
- 2 CONCRETE FOUNDATION WALL, SEE STRUCTURAL
- 3 R-19 BATT INSULATION
- 4 EXTERIOR HOLLOW METAL DOOR, SEE SCHEDULE
- 5 ROOF SHEATHING, SEE STRUCTURAL
- 6 BASE, AS SCHEDULED
- 7 2X6 WOOD STUD WALL FRAMING @ 16" O.C.
- 8 APA RATED WALL SHEATHING, SEE STRUCTURAL
- 9 4" CONCRETE FLOOR SLAB OVER 4" COMPACTED ROAD BASE, SEE STRUCTURAL
- 10 5/8" GYPSUM BOARD, PRIMED AND PAINTED
- 11 CONCRETE FOOTING, SEE STRUCTURAL
- 12 6 MIL VAPOR BARRIER
- 13 2X6 WOOD BLOCKING
- 14 1/2" ANCHOR BOLT @ 32" O.C., SEE STRUCTURAL
- 15 CEMENTITIOUS STUCCO WALL FINISH SYSTEM ON 15 LB. ASPHALT IMPREGNATED BUILDING PAPER, SEE SPECIFICATION
- 16 FULLY ADHERED ROOFING MEMBRANE SYSTEM ON 1/2" DENZ DECK ROOFING BOARD ON TAPERED EXPANDED POLYSTYRENE ROOFING INSULATION
- 17 TREATED 2X6 SILL PLATE WITH FOAM SILL GASKET.
- 18 METAL CLAD, AWANING TYPE WOOD WINDOW SYSTEM, SEE WINDOW SCHEDULE AND DETAILS
- 19 1/2" PROTECTION BOARD ON 2" PERIMETER INSULATION
- 20 ROOF JOIST SYSTEM, SEE STRUCTURAL DRINGS
- 21 CONT. RIM JOIST, SEE STRUCTURAL DRAWINGS
- 22 4" REINFORCED, COLORED, EXTERIOR CONCRETE SLAB OVER 4" COMPACTED ROAD BASE
- 23 2"x4" STUD FRAMING @ 16" O.C.
- 24 TREATED 2x4 SILL PLATE WITH FOAM SILL GASKET.
- 25 R-30 BATT INSULATION
- 26 2x4 WOOD BLOCKING
- 27 PROVIDE TWO LAYERS OF WALL SHEATHING TO HEIGHT AS SHOWN TO CREATE REVEAL
- 28 THREE LAYERS OF WALL SHEATHING AT THIS WALL LOCATION ONLY.
- 29 ANGLED 2x4 WALL FRAMING @ 16" O.C.
- 30 ANGLED 2x6 WALL FRAMING @ 16" O.C.
- 31 EXTERIOR GRADE GYPSUM BOARD SOFFIT, PRIMED AND PAINTED
- 32 THICK SET CERAMIC FLOOR TILE OVER RECESSED 4" THICK CONCRETE FLOOR SLAB OVER 4" COMPACTED ROAD BASE
- 33 GLUE-LAM BEAM, SEE STRUCTURAL DRAWINGS
- 34 UNGALVANIZED COMERCIAL GRADE RAIN GUTTER WITH UNGALVANIZED RAIN CHAIN ANCHORED INTO SITE, SEE DETAIL
- 35 WALL SHELFING, SEE FLOOR PLAN AND INTERIOR ELEVATIONS
- 36 T.S. OR GLUE-LAM BEAM, SEE STRUCTURAL
- 37 FULLY ADHERED ROOFING MEMBRANE ON ROOF SHEATHING, SEE STRUCTURAL
- 38 SHAPED DBL 2X6 MEMBERS

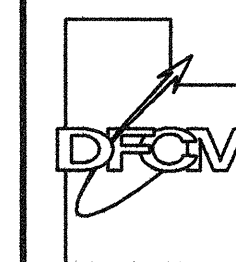
## GENERAL NOTES

1. GRIDS ARE TYPICALLY FACE OF SHEATHING OR GYP. BD.
2. REFER TO FINISH SCHEDULE FOR ROOM FINISH INFORMATION



## State of Utah

Department of Administrative Services

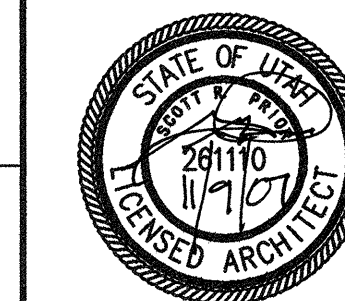


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architecture planning design

CONSULTANT: xyz engineering

PROJECT TITLE:  
**DIVISION OF PARKS  
AND RECREATION  
DEAD HORSE POINT  
RESTROOM IMPROVEMENTS**

**DEAD HORSE POINT  
STATE PARK  
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SHEET TITLE

**BUILDING SECTIONS  
AND  
WALL SECTIONS**

SHEET NUMBER

**A-BS300**

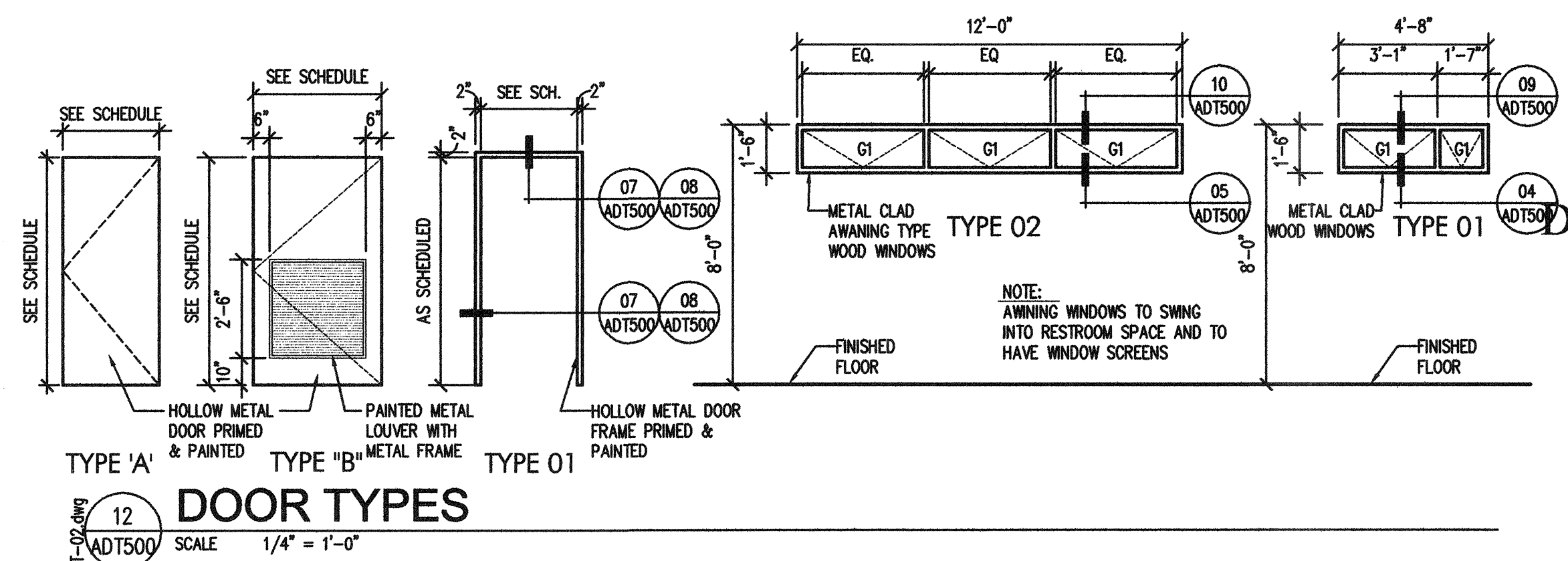
SHEET 11 OF 25



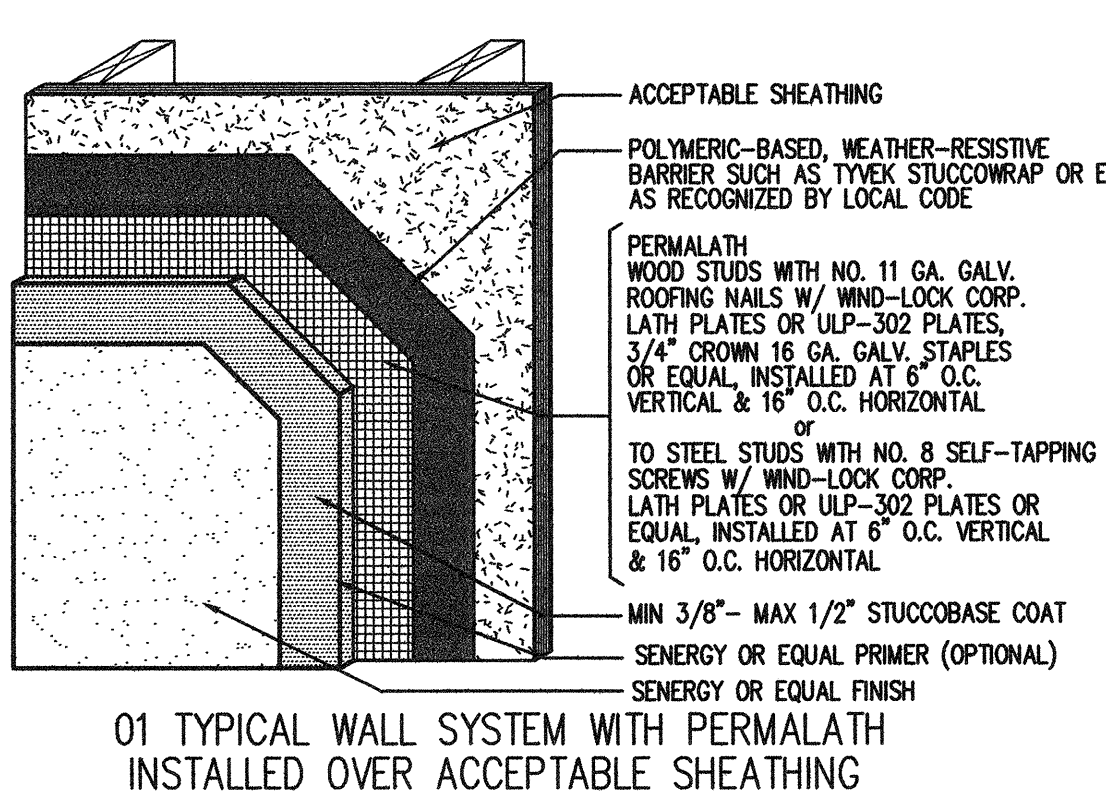
BASE TYPES	
B1	NEW 6" COVERED RUBBER BASE, SEE SPECIFICATION
B2	NEW COVERED CERAMIC WALL TILE, SEE INTERIOR ELEVATIONS
FLOOR FINISHES	
F1	SEALED CONCRETE
F2	THICKSET CERAMIC FLOOR TILE AS PER TCA F121-03
WALL FINISHES	
W1	EPOXY PAINTED AND PRIMED GYPSUM BOARD WALLS, SEE SPECIFICATION
W2	LAYTEX PRIMED AND PAINTED GYPSUM BOARD WALLS, SEE SPECIFICATION
W3	NEW WALL TILE TO 5'-0" A.F.F. OVER 3/8" CEMENTICIOUS TILE BACKER BOARD WALL TILE INSTALLATION AS PER TCA W244-03
W4	FIBERGLASS REINFORCED PANELS AND TRIM, SEE INTERIOR ELEVATIONS
CEILING TYPES	
CT1	PRIMED AND PAINTED GYPSUM BOARD CEILING, SEE SPECIFICATION
CT2	PRIMED AND PAINTED EXTERIOR GYPSUM BOARD CEILING, SEE SPECIFICATION
GLAZING TYPES	
G1	1" INSULATED OBTAINED GLAZING

ROOM FINISH SCHEDULE													
ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING			HEIGHT	NOTES	
100	WOMEN'S	F2	B2	W1	W3	W1	W3	CT1	8'-0"			SEE INTERIOR ELEVATIONS FOR ALL TILE LOCATIONS	
101	JANITOR	F1	B1	W2	W4	W2	W4	CT1	8'-0"				
102	MECHANICAL	F1	B1	W2	W2	W2	W2	CT1	8'-0"				
103	BATTERY	F1	B1	W2	W2	W2	W2	CT1	8'-0"			AT POINT RESTROOM LOCATION ONLY	
104	MEN'S	F2	B2	W1	W3	W1	W3	CT1	8'-0"			SEE INTERIOR ELEVATIONS FOR ALL TILE LOCATIONS	

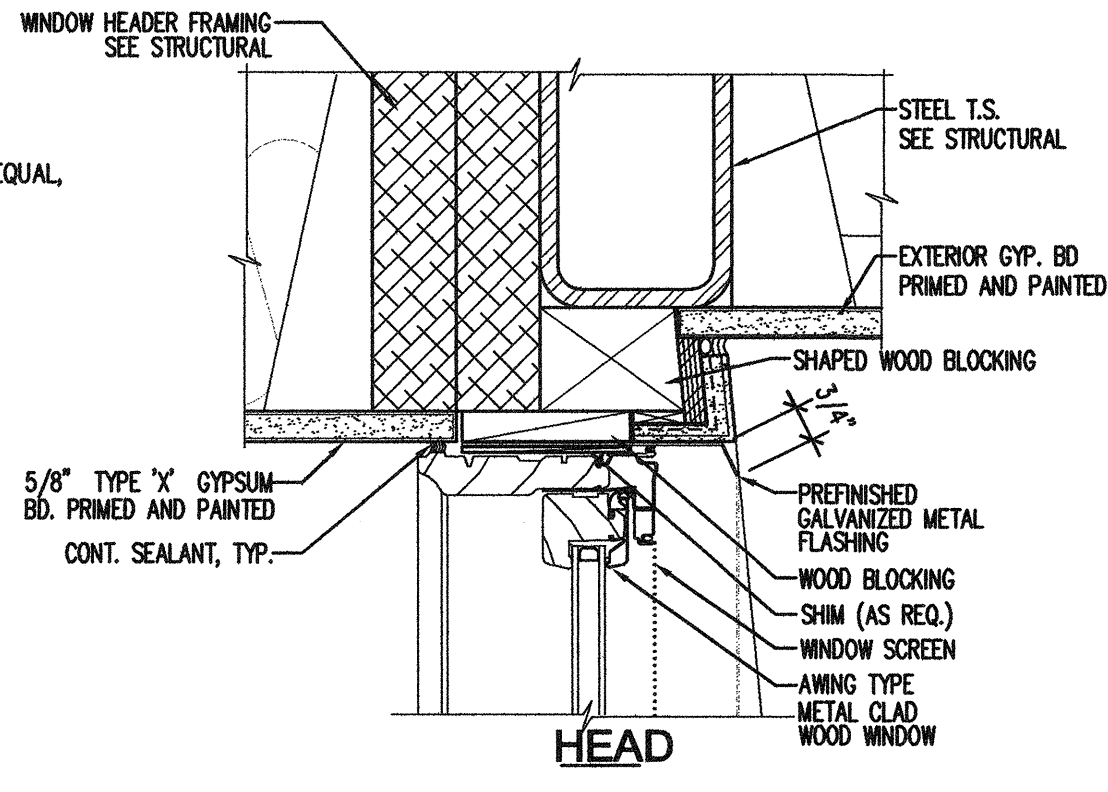
DOOR AND FRAME SCHEDULE													
DOOR	SIZE	DEPTH	TYPE	MATL.	FINISH	DEPTH	TYPE	MATL.	FINISH	HEAD	JAMB	THRSH	NOTES
100A	S 3'-0" X 7'-0"	1 3/4"	A	H.M.	PAINTED	6"	01	H.M.	PAINTED	07/ADT500	07/ADT500	03/ADT500	01 NONE
101A	S 3'-0" X 7'-0"	1 3/4"	A	H.M.	PAINTED	7 3/4"	01	H.M.	PAINTED	08/ADT500	08/ADT500	02/ADT500	02 NONE
102A	S 3'-0" X 7'-0"	1 3/4"	A	H.M.	PAINTED	7 3/4"	01	H.M.	PAINTED	08/ADT500	08/ADT500	02/ADT500	02 NONE
103A	S 3'-0" X 7'-0"	1 3/4"	B	H.M.	PAINTED	7 3/4"	01	H.M.	PAINTED	08/ADT500	08/ADT500	02/ADT500	02 NONE
104A	S 3'-0" X 7'-0"	1 3/4"	A	H.M.	PAINTED	6"	01	H.M.	PAINTED	07/ADT500	07/ADT500	03/ADT500	01 NONE



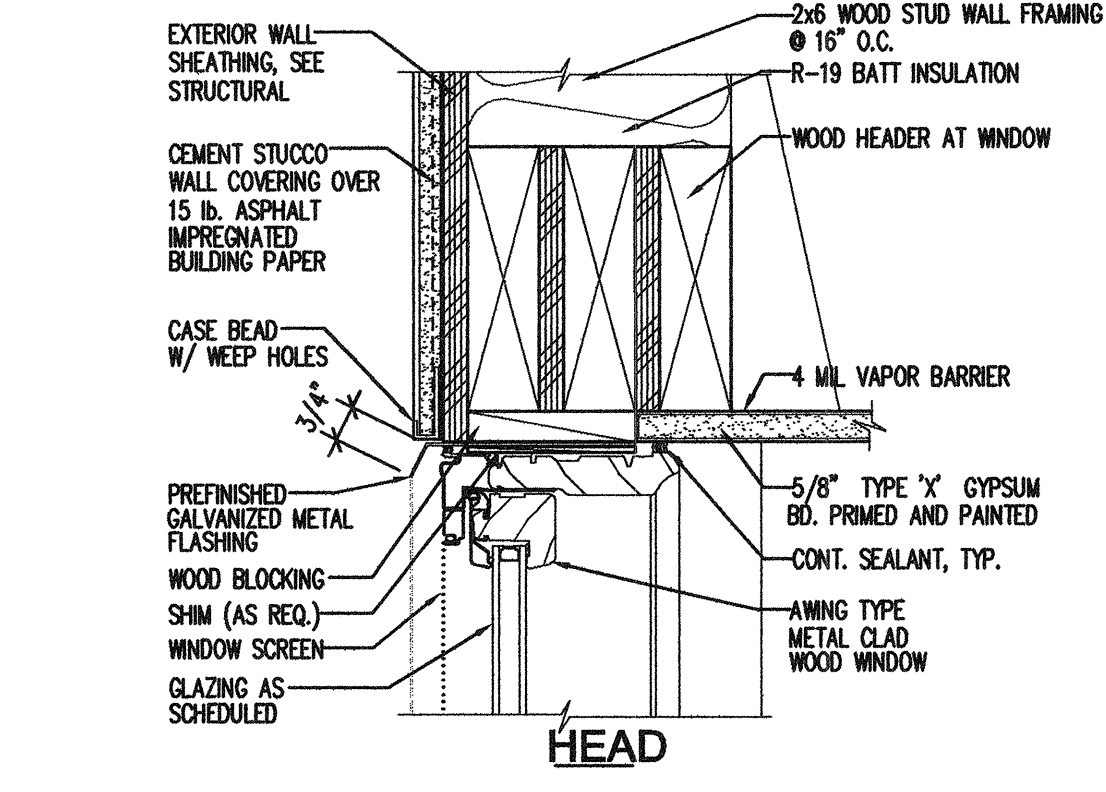
DOOR TYPES  
SCALE 1/4" = 1'-0"



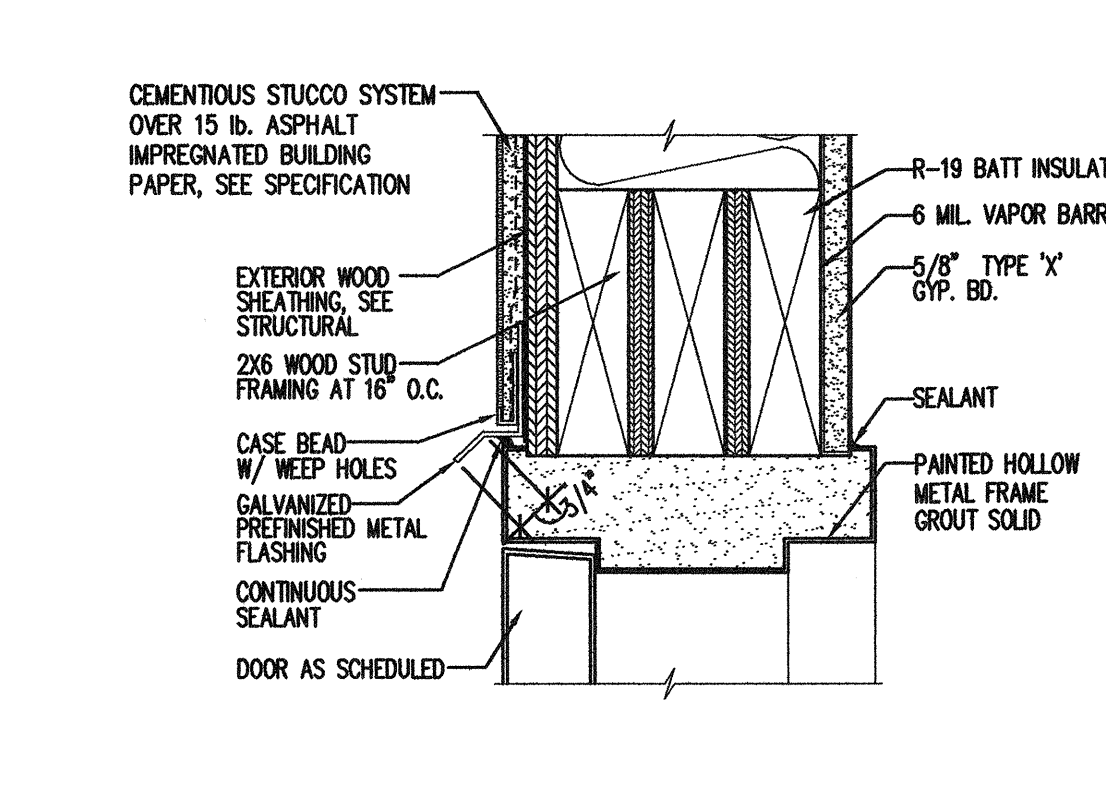
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SCALE 6" = 1'-0"



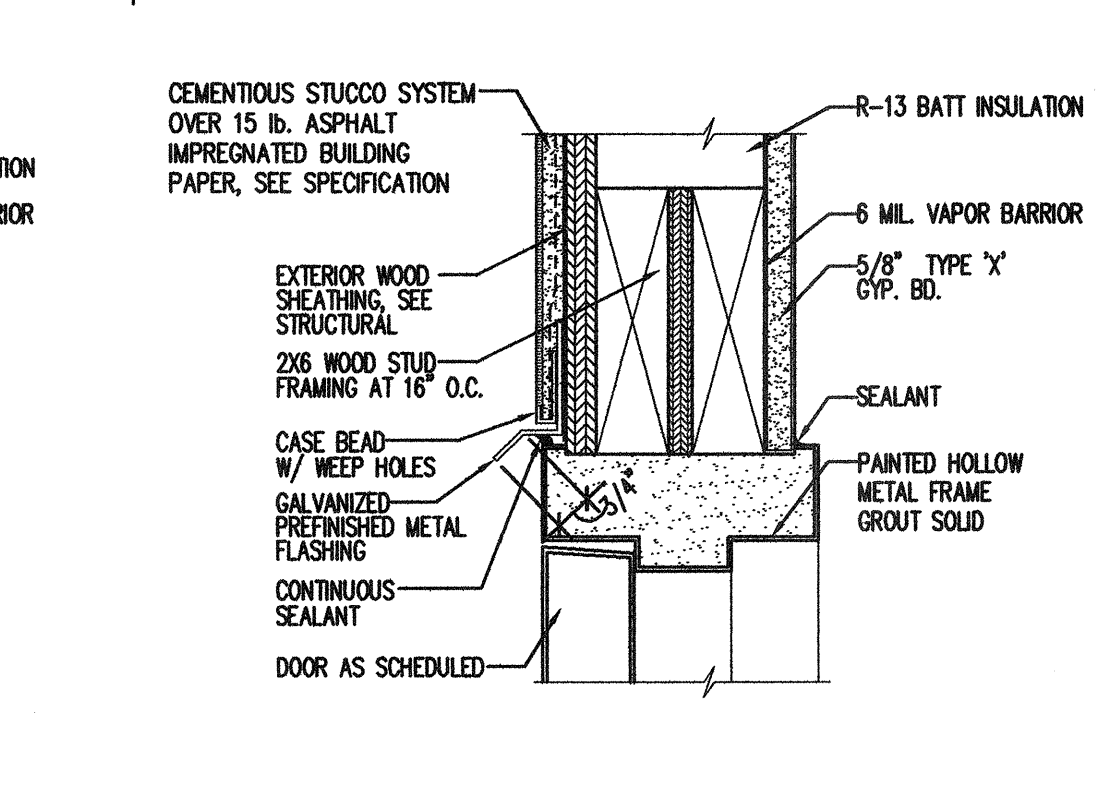
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SCALE 3" = 1'-0"



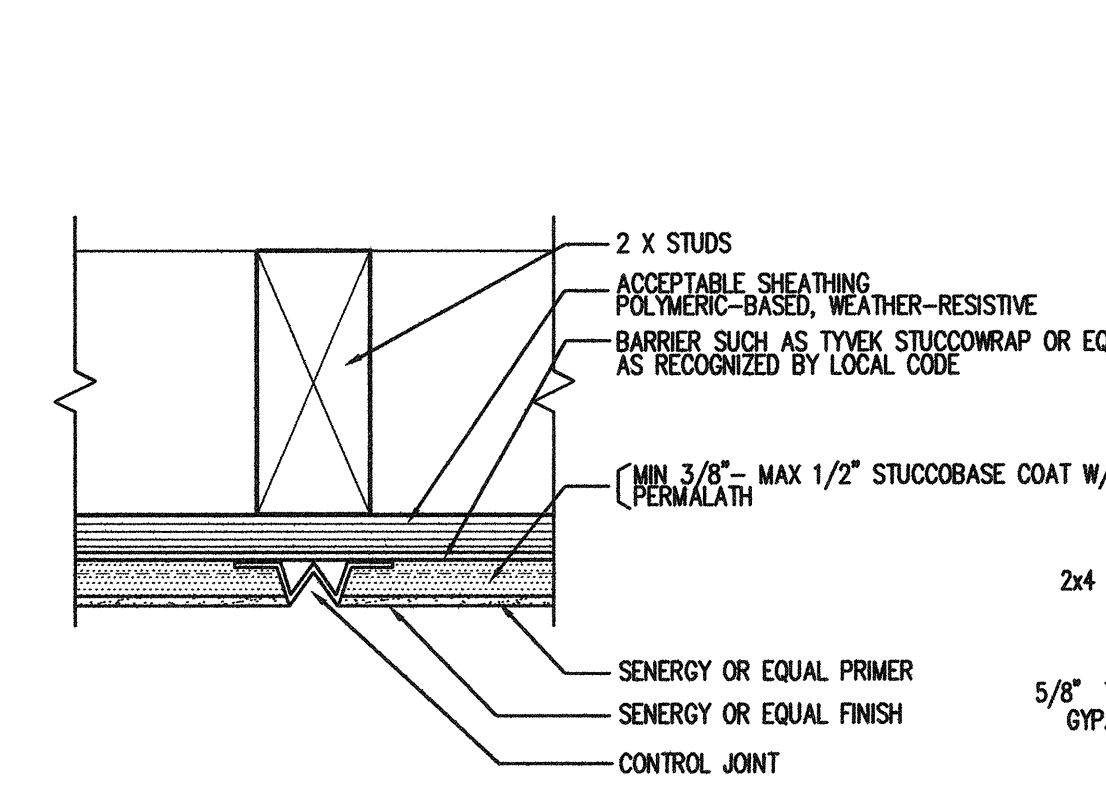
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SCALE 3" = 1'-0"



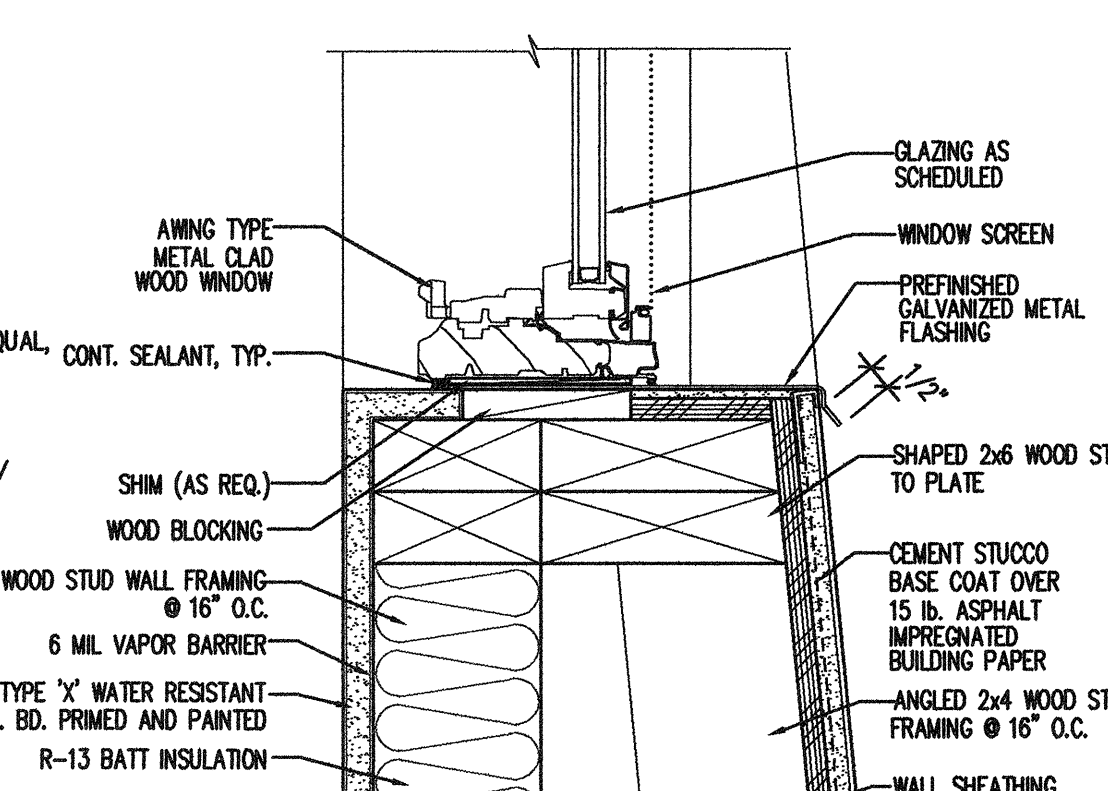
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SCALE 3" = 1'-0"



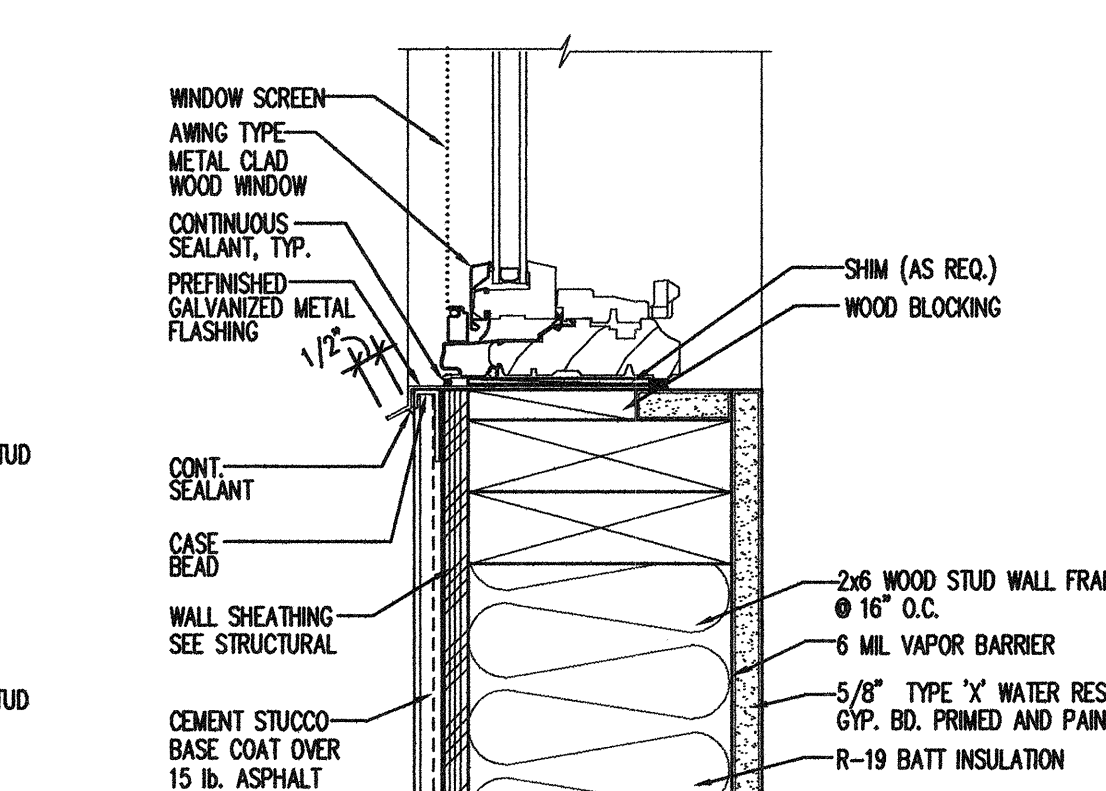
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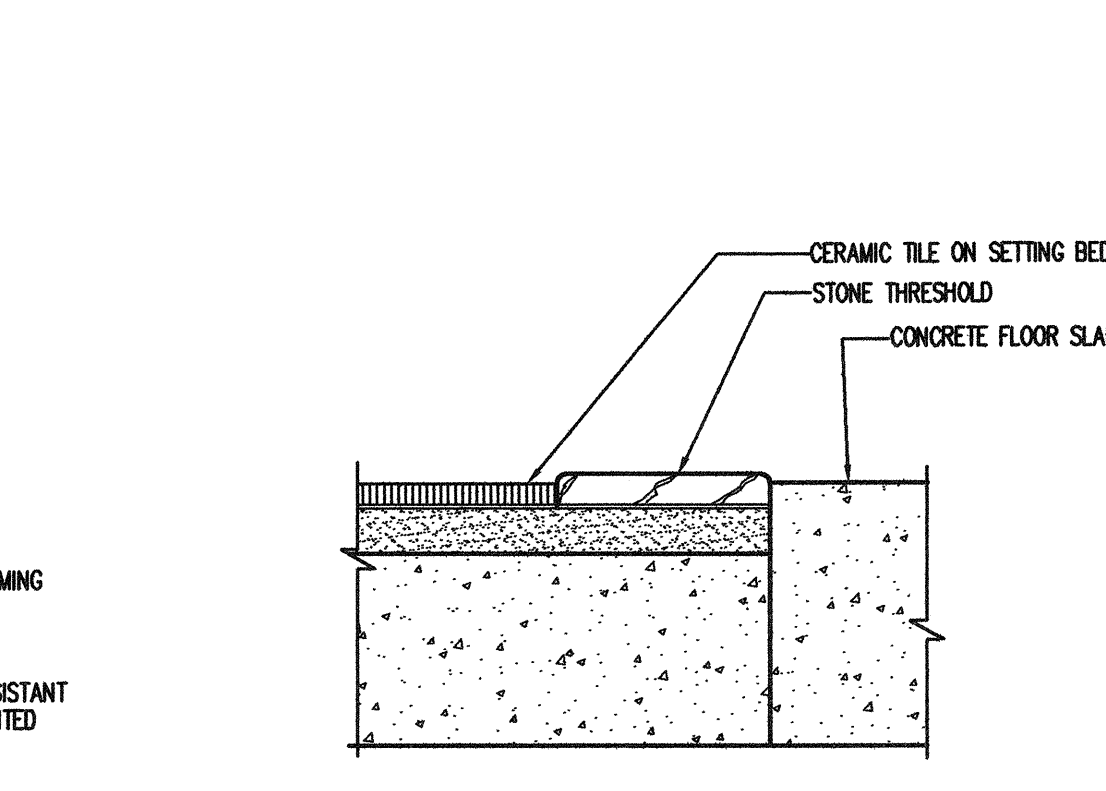
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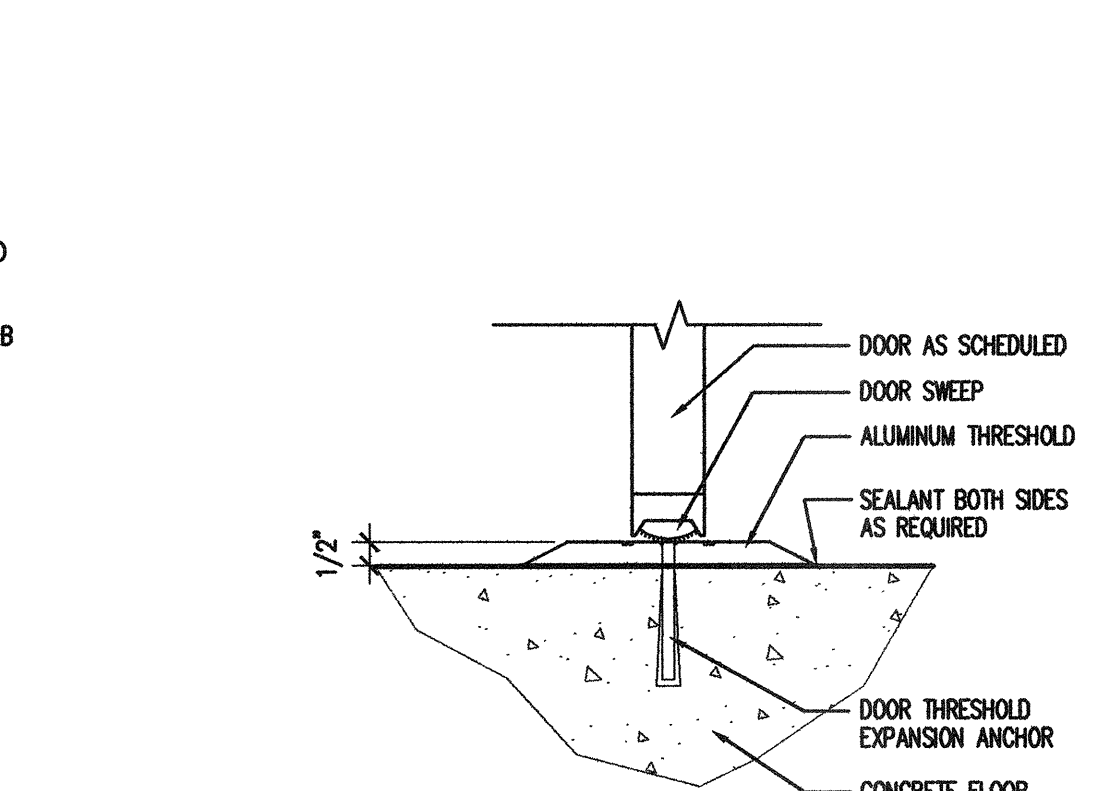
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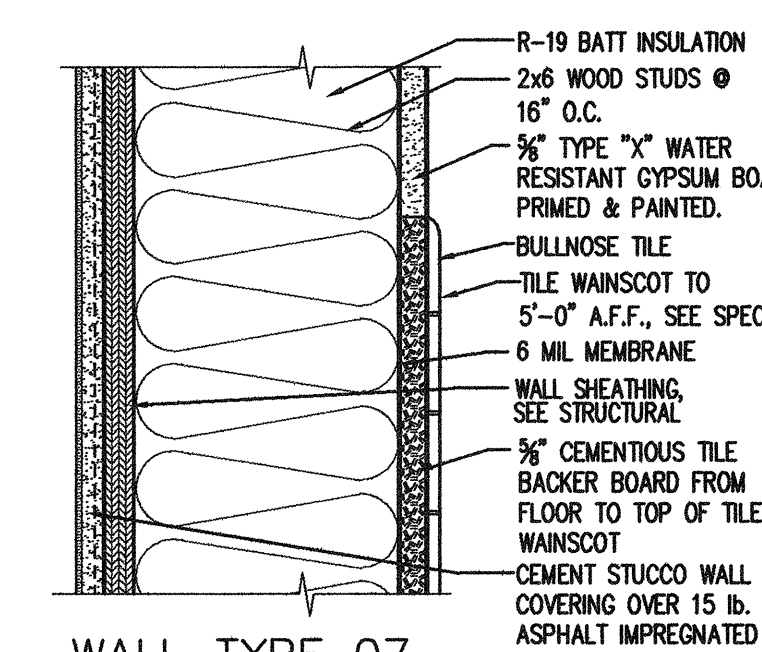
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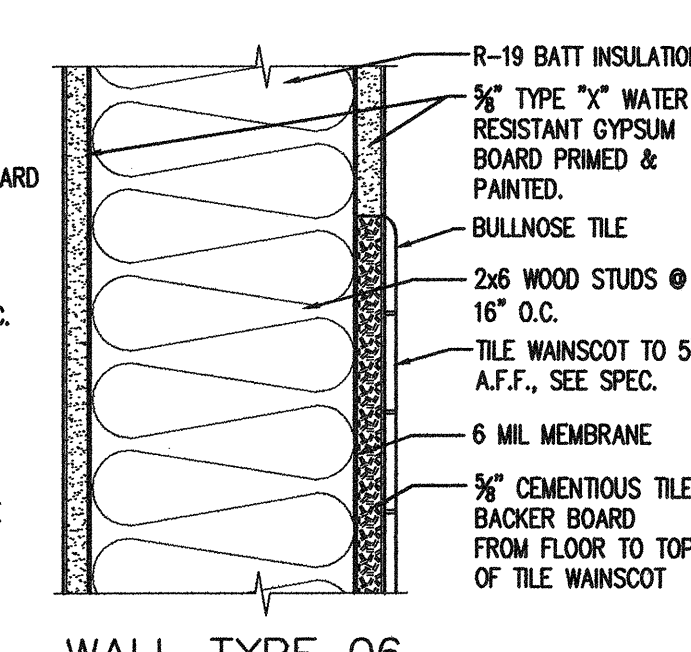
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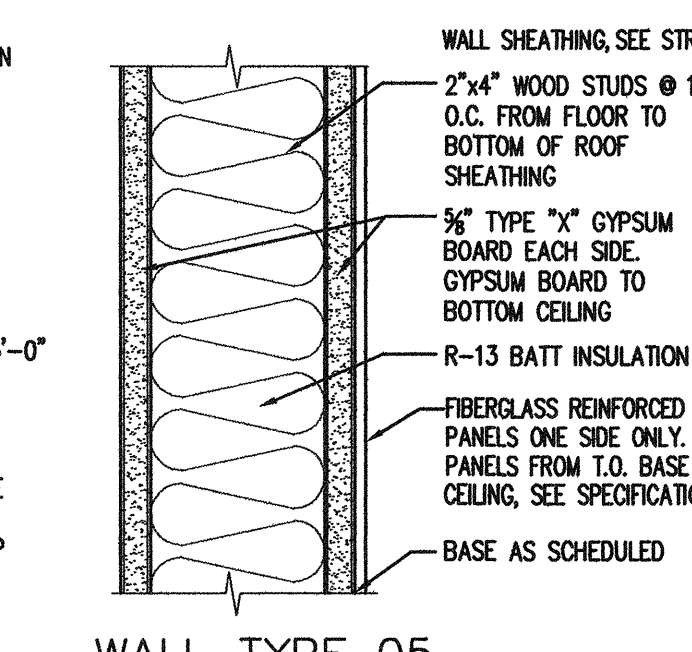
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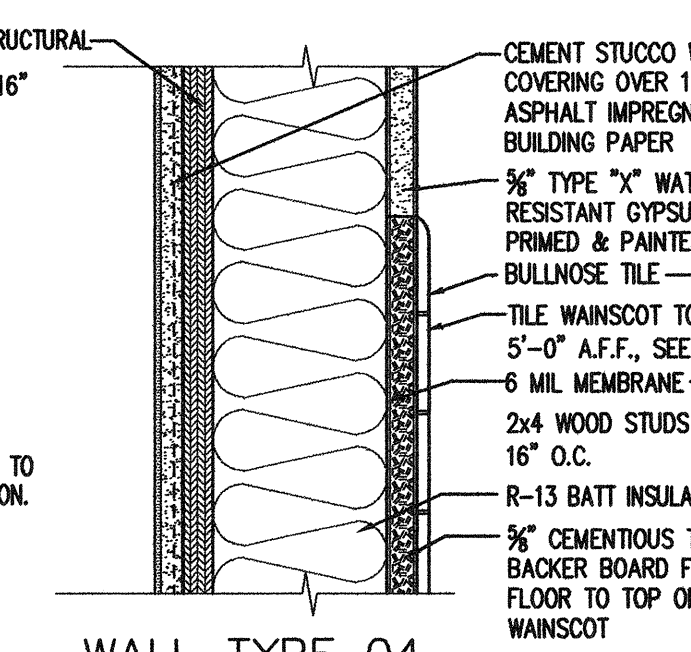
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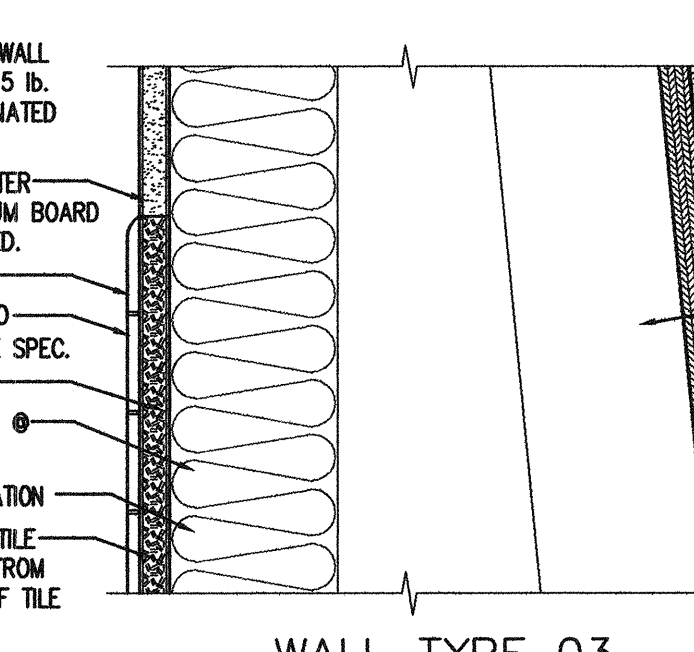
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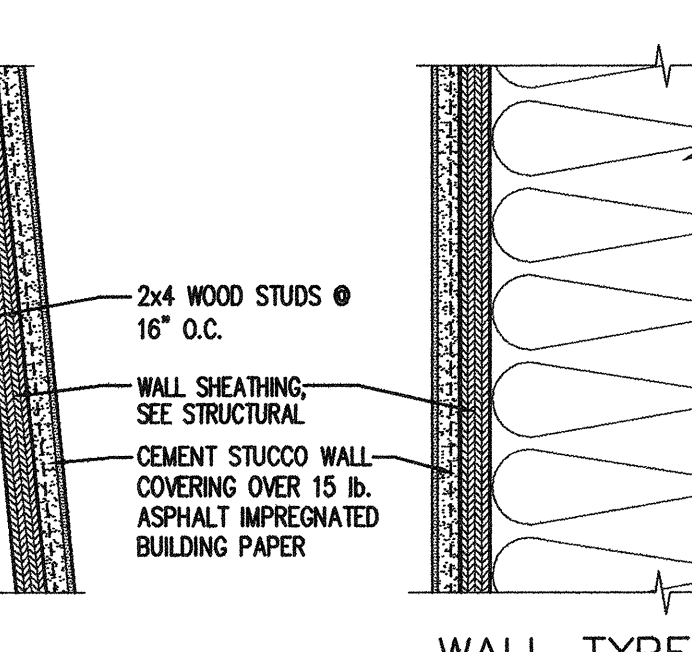
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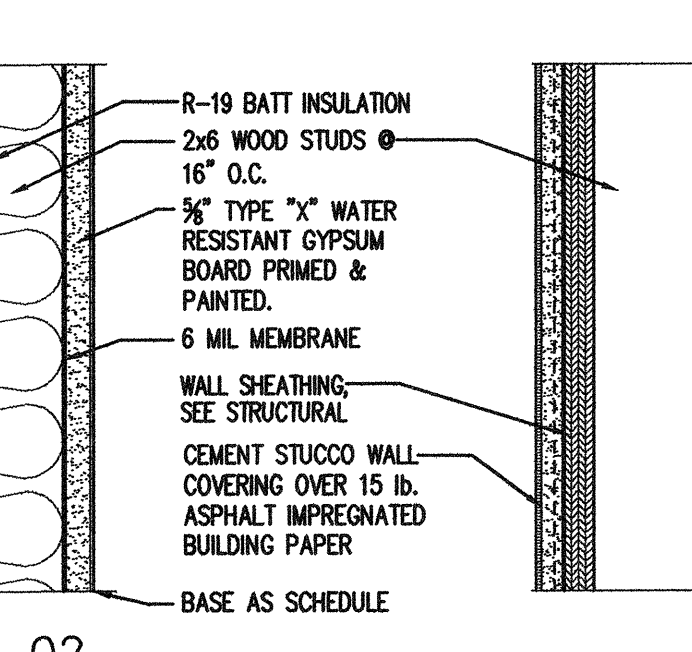
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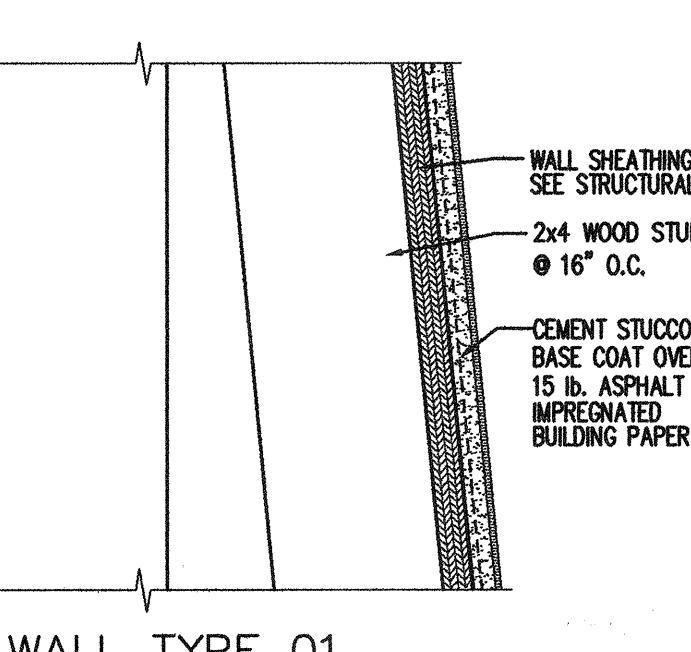
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SCALE 3" = 1'-0"



08  
SCALE 3" = 1'-0"

State of Utah

Department of Administrative Services

Division of Facilities Construction & Management

4110 State Office Building

Salt Lake City, Utah 84114

Phone: (801) 538 - 3018

Fax: (801) 538 - 3267

Internet: <http://www.dfc.state.ut.us>

CREATED BY: P+A architects

P+A architects

821 East Kensington Ave.

Salt Lake City, Utah 84105

P: 801.484.1161

F: 801.485.4640

e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)

architect

planning

design

CONSULTANT: xyz engineering

PROJECT TITLE:

DIVISION OF PARKS AND RECREATION

DEAD HORSE POINT RESTROOM IMPROVEMENTS

DEAD HORSE POINT STATE PARK

STATE ROAD 313

P.O. BOX 609

MOAB, UTAH 84532-0609

MARK

DATE

DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 9th November, 2007

DFCM PROJECT NO: 07321510

CAD PROJECT NO:

CAD DWG FILE:

DRAWN BY: BRIAN AND SCOTT

CHK'D BY: SCOTT

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SHEET TITLE

DOOR AND FINISH SCHEDULES

WALL TYP. & DET.

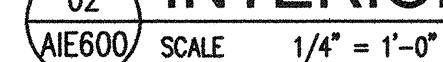
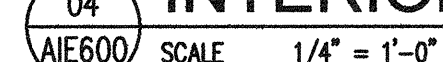
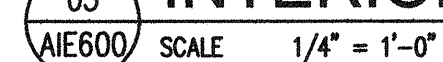
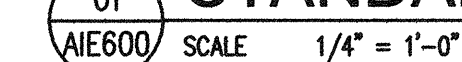
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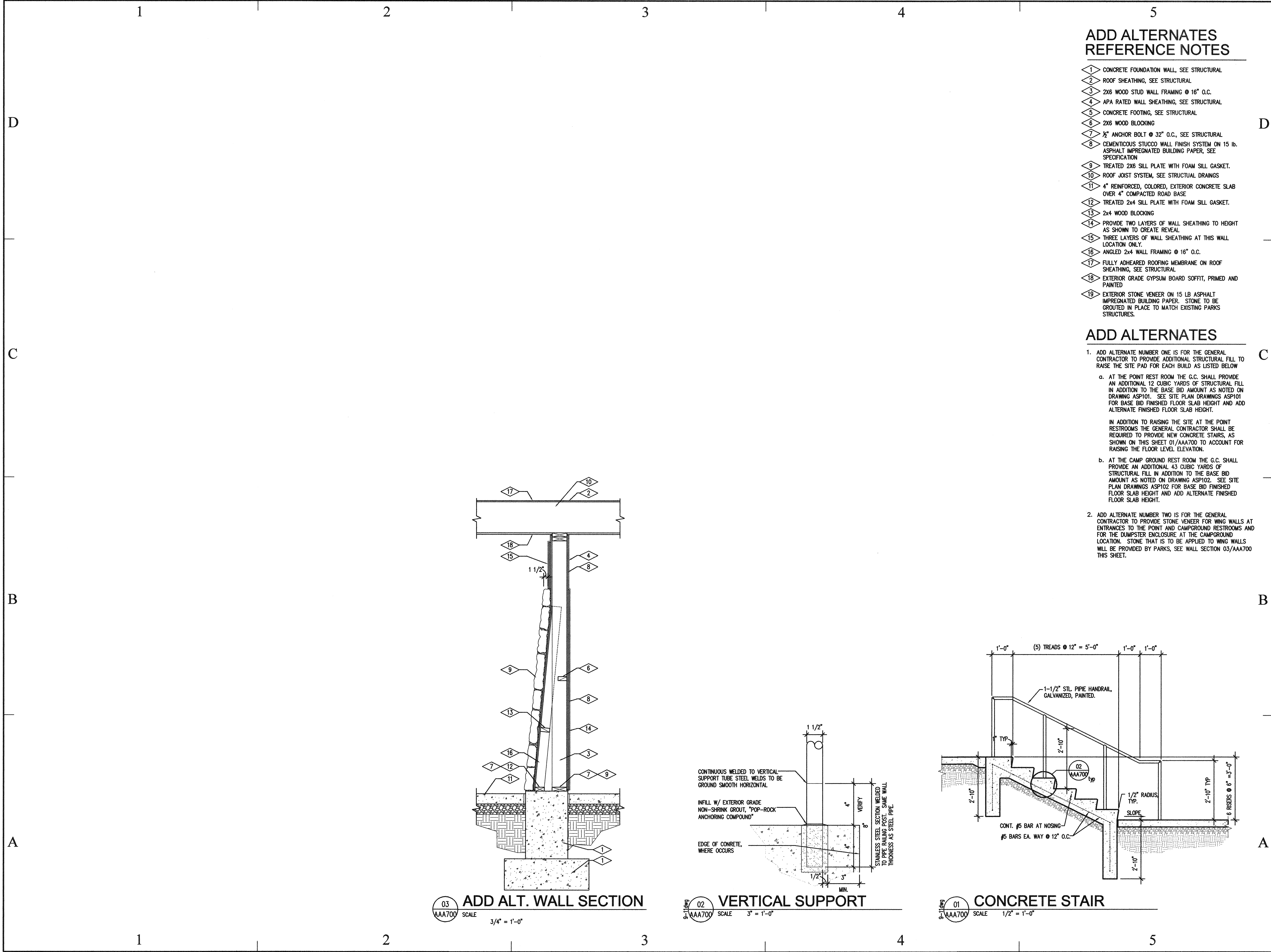
SHEET 12 OF 25



1. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES
2. CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL FIXTURES AND ACCESSORIES AND COORDINATE WITH A.D.A. REQUIREMENTS
3. CONTRACTOR SHALL PROVIDE ADA PIPE PROTECTION AT ALL EXPOSED PIPING
4. GENERAL CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL WALL MOUNTED ITEMS AND CASE WORK PRIOR TO FRAMING ALL WALLS. GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE FRAMING, BACKING AND BRACING FOR PROPER INSTALLATION OF ALL REQUIRED A.D.A. ITEMS AND CASEWORK.







State of Utah

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DRAWN BY: BRIAN AND SCOTT		
CHK'D BY: SCOTT		
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SHEET TITLE

ADD ALTERNATES

SHEET NUMBER

A-AA700

SHEET 14 OF 25



## GENERAL STRUCTURAL NOTES:

### I. GENERAL:

- THE STRUCTURAL DRAWINGS SHOW THE COMPLETED PROJECT. DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS SHALL BE TYPICAL AND APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS NOTED OR SHOWN OTHERWISE.
- CONTRACTOR SHALL COMPLY WITH ALL DIMENSIONS AND CONDITIONS ON CONTRACT DOCUMENTS AND AT THE SITE. ANY OMISSION OR CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. IN CASE OF ANY CONFLICT FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY ARCHITECT/ENGINEER.
- SEE THE ARCHITECTURAL DRAWINGS FOR DOORS, WINDOWS, NON-BEARING INTERIOR AND EXTERIOR WALLS, RECESSES, DEPRESSIONS, ETC.
- CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING FOR ALL PORTIONS OF THE BUILDING UNTIL THE ENTIRE STRUCTURE OF THE BUILDING IS COMPLETE.
- OBSERVATION VISITS TO THE SITE BY STRUCTURAL ENGINEER'S FIELD REPRESENTATIVES SHALL NOT BE CONSIDERED AS INSPECTION OR APPROVAL OF CONSTRUCTION.
- ANY DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN UTAH.

### II. DESIGN CRITERIA:

- BUILDING CODE: 2006 INTERNATIONAL BUILDING CODE (IBC) w/ AMENDMENTS
- LOADINGS:
  - ROOF SNOW LOAD = 50 PSF + SNOW DRIFT PER IBC
  - TYPICAL FLOOR LIVE LOAD = 40 PSF
  - WIND LOAD = 30 MPH ZONE - EXPOSURE C
  - SEISMIC DESIGN CATEGORY: E

### C. FOUNDATION:

- ALL EXTERIOR FOOTINGS ARE TO BE FOUNDED AT NOT LESS THAN 36" BELOW LOWEST ADJACENT FINISH FLOOR OR FINISH GRADE ONTO UNDISTURBED EXISTING SUBSOILS HAVING A MINIMUM NET BEARING CAPACITY OF 1500 PSF. ALL INTERIOR FOOTINGS ARE TO BE FOUNDED AT NOT LESS THAN 1'-3" BELOW LOWEST ADJACENT FINISH FLOOR ONTO SUBSOILS.

### III. CONCRETE:

- ALL MATERIALS SHALL COMPLY WITH ACI 318 AND ACI 347 PUBLICATIONS AND APPLICABLE ASTM PUBLICATIONS.
- CONCRETE MATERIAL PROPERTIES: 28-DAY COMPRESSIVE STRENGTHS ARE TO BE 3000 PSI TYPICAL UNLESS NOTED OTHERWISE. DESIGN BASED ON 2500 PSI.
- CAST-IN-PLACE CONCRETE:
  - SPACING OF CONSTRUCTION JOINTS OR CONTROL JOINTS IN WALLS EXPOSED TO VIEW SHALL NOT EXCEED 40 FEET UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
  - PROVIDE EXTRA REINFORCING AROUND ALL OPENINGS EXCEEDING 24 INCHES SQUARE OR ROUND IN ALL SLABS AND WALLS EQUAL TO TWO #5 BARS ON FOUR SIDES AND EXTEND TWO FEET BEYOND THE OPENING.
  - PROVIDE A 3/4" CHAMFER ON ALL EXPOSED CORNERS OF CONCRETE UNLESS NOTED OTHERWISE.
  - PROVIDE CLASS B LAP SPLICES FOR ALL REINFORCING UNLESS NOTED OTHERWISE.
  - PROVIDE ISOLATION JOINTS AROUND ALL COLUMNS AT ALL EXPOSED SLAB ON GRADE AREAS.

### IV. REINFORCING STEEL:

- ALL BARS #4 AND LARGER TO BE ASTM A 615, GRADE 60. ALL #2 AND #3 BARS TO BE ASTM A 235, GRADE 40. DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH ACI-318, LATEST ADOPTION.
- ALL REINFORCING STEEL SHALL BE BENT, DETAILED AND CHAIRED AS PER "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES".
- WELDED WIRE FABRIC TO BE IN ACCORDANCE WITH ASTM A 185.
- ALL BARS INDICATED ON THE PLANS TO BE WELDED SHALL CONFORM TO ASTM A 106 (GRADE 60).
- CONCRETE COVER REQUIREMENTS FOR DEFORMED BAR REINFORCING STEEL SHALL COMPLY WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCING CONCRETE".
  - CAST-IN-PLACE CONCRETE:
    - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:
      - #6 BARS AND LARGER: 2"
      - #5 BARS AND SMALLER: 1-1/2"
    - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      - SLABS, WALLS, JOISTS: #1 BARS OR SMALLER: 3/4"
      - BEAMS, COLUMNS, PRIMARY REINFORCING, TIES, STIRRUPS, SPIRALS: 1-1/2"
- DETAILING: SUBMIT PLACING DRAWINGS PER ACI DETAILING MANUAL, ACI 908-66. FABRICATE ONLY AFTER REVIEW AND APPROVAL. REINFORCING BARS SHALL NOT BE WELDED UNLESS SPECIFICALLY SHOWN ON DRAWINGS.
  - LAP SPLICE LENGTHS SHALL BE AS FOLLOWS:
    - 30 BAR DIAMETER FOR #3 AND #4 BARS
    - 40 BAR DIAMETER FOR #5 THROUGH #8 BARS
    - DO NOT SPLICE STIRRUPS AND TIES
    - DO NOT SPLICE VERTICAL BARS IN RETAINING WALLS UNLESS SPECIFICALLY SHOWN.
  - ALL EMBEDMENTS AND DOUELS SHALL BE SECURELY TIED TO FORMWORK OR TO ADJACENT REINFORCING PRIOR TO THE PLACEMENT OF CONCRETE.

### V. STRUCTURAL AND MISCELLANEOUS STEEL:

#### A. MATERIAL PROPERTIES:

- ALL SHAPES, PLATES, ANGLES, AND CHANNELS TO BE ASTM A-36 UNLESS NOTED OTHERWISE.
- ALL WF SHAPES WEIGHING 84 POUNDS PER LINEAR FOOT OR LESS TO BE ASTM A 572, GRADE 50. ALL WF SHAPES WEIGHING MORE THAN 84 POUNDS PER LINEAR FOOT TO BE ASTM A 572, GRADE 50.
- SQUARE OR RECTANGULAR TUBES TO BE ASTM A 500, GRADE B, F<sub>y</sub> = 46 KSI.
- ALL STEEL TO BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS, LATEST ADOPTION.

### B. WELDING:

- FOR STRUCTURAL STEEL TO BE IN ACCORDANCE WITH AISC REQUIREMENTS FOR E70XX ELECTRODES.

### C. BOLTS:

- ALL BOLTS TO BE 3/4" DIAMETER ASTM A 325-N UNLESS NOTED OTHERWISE.
- BOLTS, NUTS AND WASHERS SHALL NOT BE REUSED.
- ANCHOR BOLTS SHALL BE ASTM A 307 OR A 36.

### VI. WOOD:

#### A. DIMENSIONAL LUMBER: ALL TO BE GRADE STAMPED PER WCLB RULES.

- ALL JOISTS, BEAMS, PLATES, HEADERS AND OTHER LUMBER TO BE DFIIR/LARCH #2 UNLESS OTHERWISE NOTED.
- 2 X 4 SUB-FURLINS TO BE DFIIR/LARCH NO.1.
- 2 X 6 SUB-FURLINS TO BE DFIIR/LARCH NO.1.
- FURLINS TO BE DFIIR DENSE #1.
- 4X AND 6X POSTS TO BE DFIIR/LARCH NO.1.
- WALL STUDS TO BE DFIIR/LARCH #2 GRADE OR BETTER.

#### B. WOOD DECKING: FLOOR DECKING SHALL BE COMMERCIAL 2 X 6 (NOMINAL TONGUE AND GROOVE DECKING, HEM-FIR OR BETTER WITH A REPEITIVE F<sub>o</sub> OF 1450 PSI MINIMUM).

#### C. GLU-LAMs:

- TO BE GRADE STAMPED PER AITC, DFIIR/LARCH COMBINATION 24F-V8 FOR CONTINUOUS SPANS AND DFIIR/LARCH COMBINATION 24F-V4 FOR SIMPLE SPANS. GLUED WITH WATERPROOF GLUE.

#### D. PLYWOOD:

- ROOF SHEATHING TO BE STD 1/2" OSB OR C-D WITH EXTERIOR GLUE. IDENTIFICATION INDEX 40/20. NAIL WITH 8d NAILS AT 6" O.C. AT ALL EDGE SUPPORTS AND WITH 8d NAILS AT 12" O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE.
- FLOOR SHEATHING TO BE STD 3/4" OSB OR C-C T&G WITH EXTERIOR GLUE. IDENTIFICATION INDEX 40/20. NAIL WITH 8d NAILS AT 6" O.C. AT ALL EDGE SUPPORTS AND WITH 8d NAILS AT 12" O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE.
- EXTERIOR WALLS TO BE STD 1/2" OSB OR C-C WITH EXTERIOR GLUE. NAIL WITH 8d NAILS AT 6" O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. SEE SHEAR WALL SCHEDULE FOR SHEAR WALL SHEATHING AND NAILING.

#### E. FLYWOOD WEB JOISTS:

- TO BE DESIGNED, DETAILED AND FABRICATED BY TRUS-JOIST AND HAVE THE APPROVAL OF ICBO.
- JOISTS ARE TO BE DESIGNED FOR THE LIVE LOADS LISTED ABOVE AND FOR A SUPERIMPOSED DEAD LOAD OF NOT LESS THAN 15 PSF.
- DESIGN JOISTS FOR TWICE THE WEIGHT OF MECHANICAL UNITS INDICATED ON THE PLANS IN ACCORDANCE WITH AMERICAN INSTITUTE OF TIMBER CONSTRUCTION TECHNICAL NOTE #9. REVIEW ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL UNITS REQUIRED.

#### F. SPECIAL TREATMENTS (AMERICAN WOOD PRESERVERS INSTITUTE STANDARDS):

- ALL WOOD IN CONTACT WITH CONCRETE, MASONRY OR SOIL: PRESSURE TREAT WITH WOLMAN COA PRESERVATIVE OR EQUAL AS APPROVED BY THE ARCHITECT.
- FIRE RETARDANT: PRESSURE TREAT WITH DRICON OR EQUAL AS APPROVED THE ARCHITECT.

#### G. WOOD NAILING SCHEDULE:

- JOIST TO SILL OR GIRDER, TOENAIL 3-8d
- BRIDGING TO JOIST, TOENAIL EACH END 2-8d
- 1"x6" SUBFLOOR OR LESS TO EACH JOIST FACE NAIL 2-8d
- WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST, FACE NAIL 3-8d
- SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL 2-16d
- SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL 2-16d
- TOP PLATE TO STUD, END NAIL 2-16d
- STUD TO SOLE PLATE, TOENAIL 4-8d OR FACE NAIL 2-16d
- DOUBLE STUDS, FACE NAIL 16d @ 24" O.C.
- DOUBLED TOP PLATES, FACE NAIL 16d @ 16" O.C.
- TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL 2-16d
- CONTINUOUS HEADER, 2 PIECES 16d @ 16" O.C. ALONG 2 EDGES
- CEILING JOISTS TO PLATE, TOENAIL 3-8d
- CONTINUOUS HEADER TO STUD, TOENAIL 4-8d
- CEILING JOIST, LAPS OVER PARTITIONS FACE NAIL 3-16d
- CEILING JOIST TO PARALLEL RAFTERS FACE NAIL 3-16d
- RAFTER TO PLATE, TOENAIL 4-8d
- BRACE TO EACH STUD AND PLATE, FACE NAIL 2-8d
- 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL 2-8d
- WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL 3-8d
- BUILT UP CORNER STUDS 16d @ 24" O.C.
- BUILT-UP GIRDERS AND BEAMS 20d @ 32" O.C. AT TOP AND BOTTOM AND STAGGERED 2-20d AT EACH END & SPLICE
- PLANKS 2-16d AT EACH BEARING

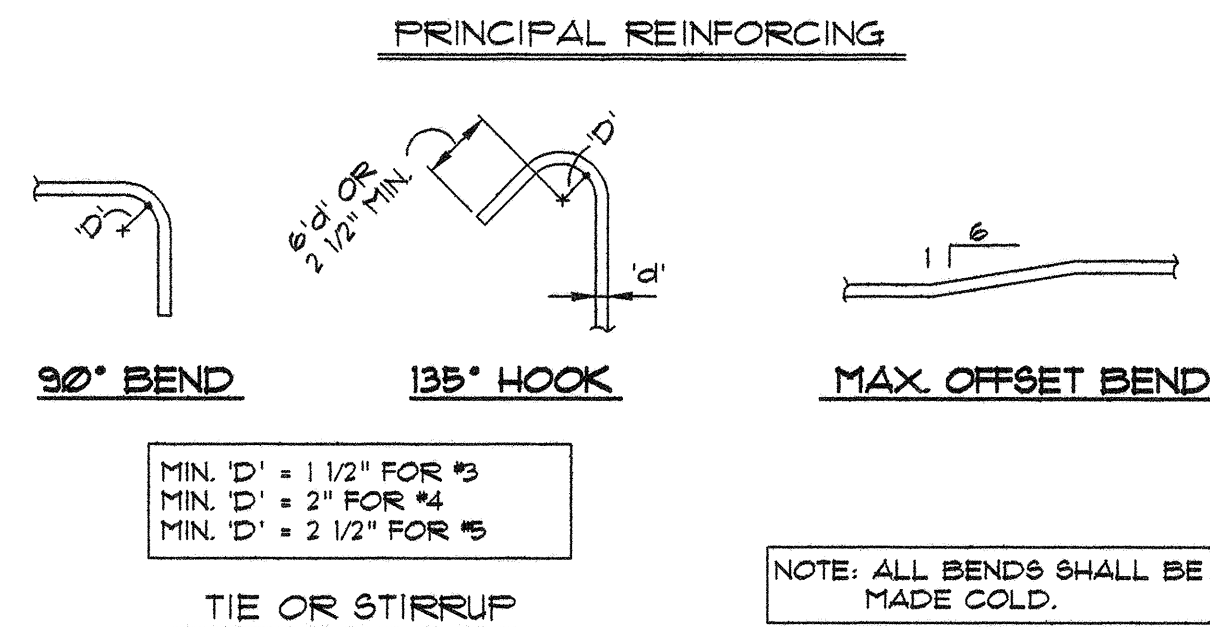
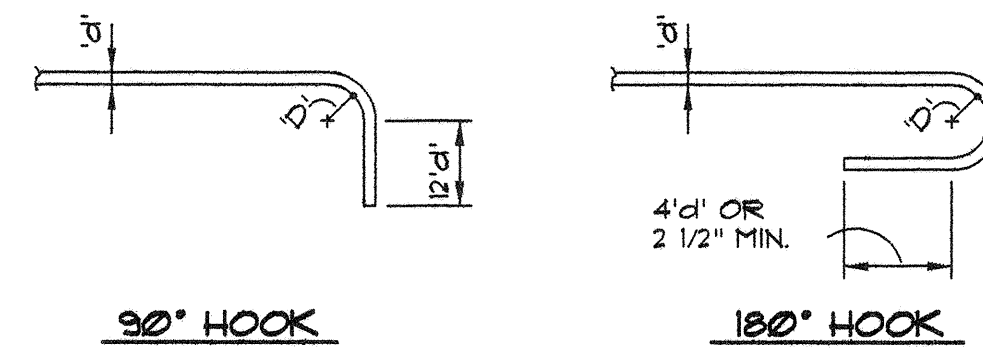
### VII. MISCELLANEOUS:

- GYPSUM WALLBOARD: FOR SHEAR WALLS TO BE STANDARD 1/2" GYPSUM WALLBOARD. NAIL WITH 3D COOLER NAILS AT 12" O.C. TO ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKING.
- STUCCO: FOR SHEAR WALLS TO BE STANDARD 1/8" PORTLAND CEMENT PLASTER ON EXPANDED METAL OR WOVEN WIRE LATH. NAIL WITH NAIL GAGE, 1 1/2" LONG, 116d NAIL OR NO.16 GAGE STAPLES WITH 1/8" LONG LEGS AT 6" O.C. TO ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKING.

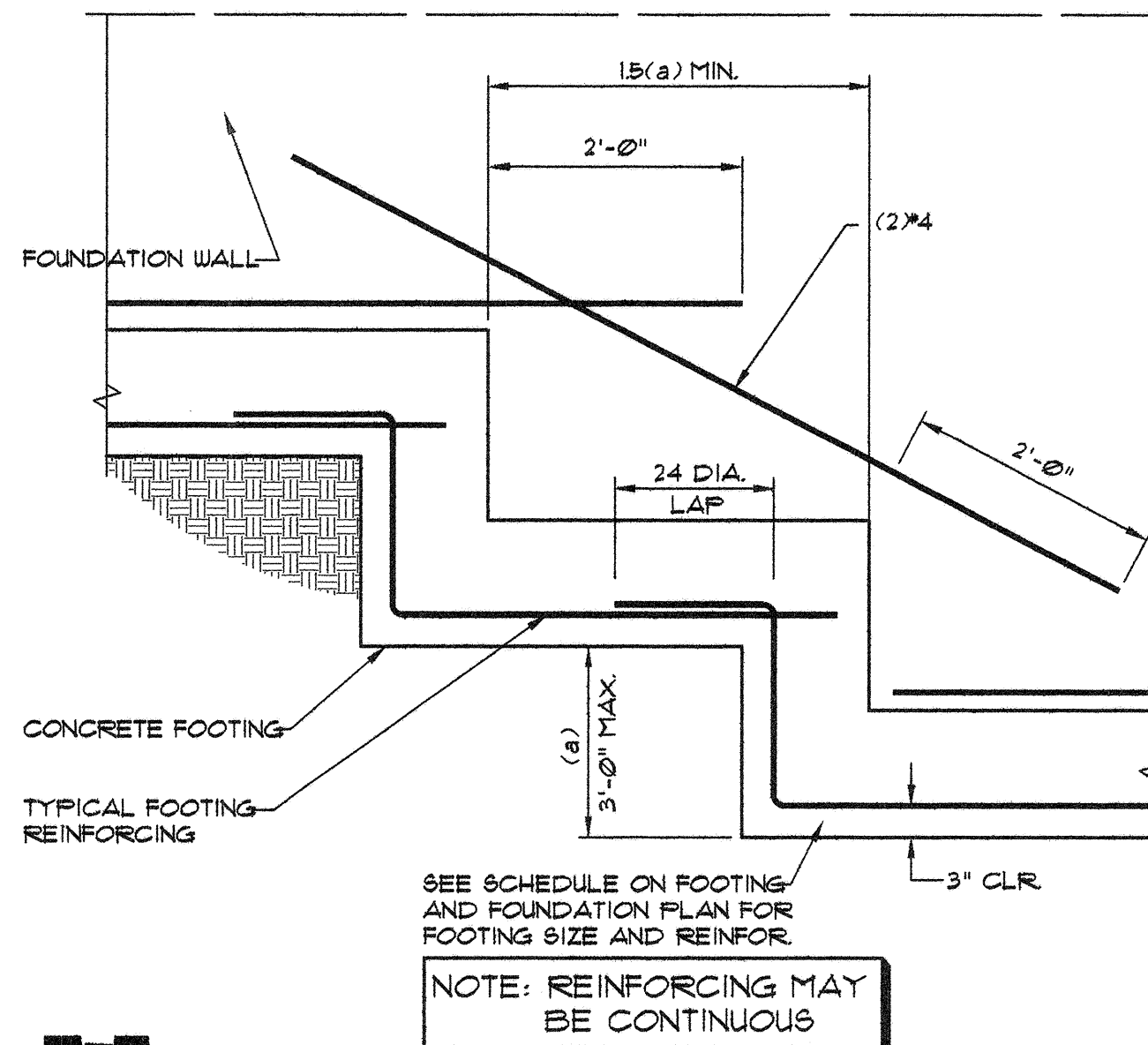
### VIII. SPECIAL INSPECTION: SPECIAL INSPECTION IS REQUIRED IN ACCORDANCE WITH IBC SECTION 1701.

- FIELD WELDING IF APPLY.
- EPOXY BOLTS IF APPLY.

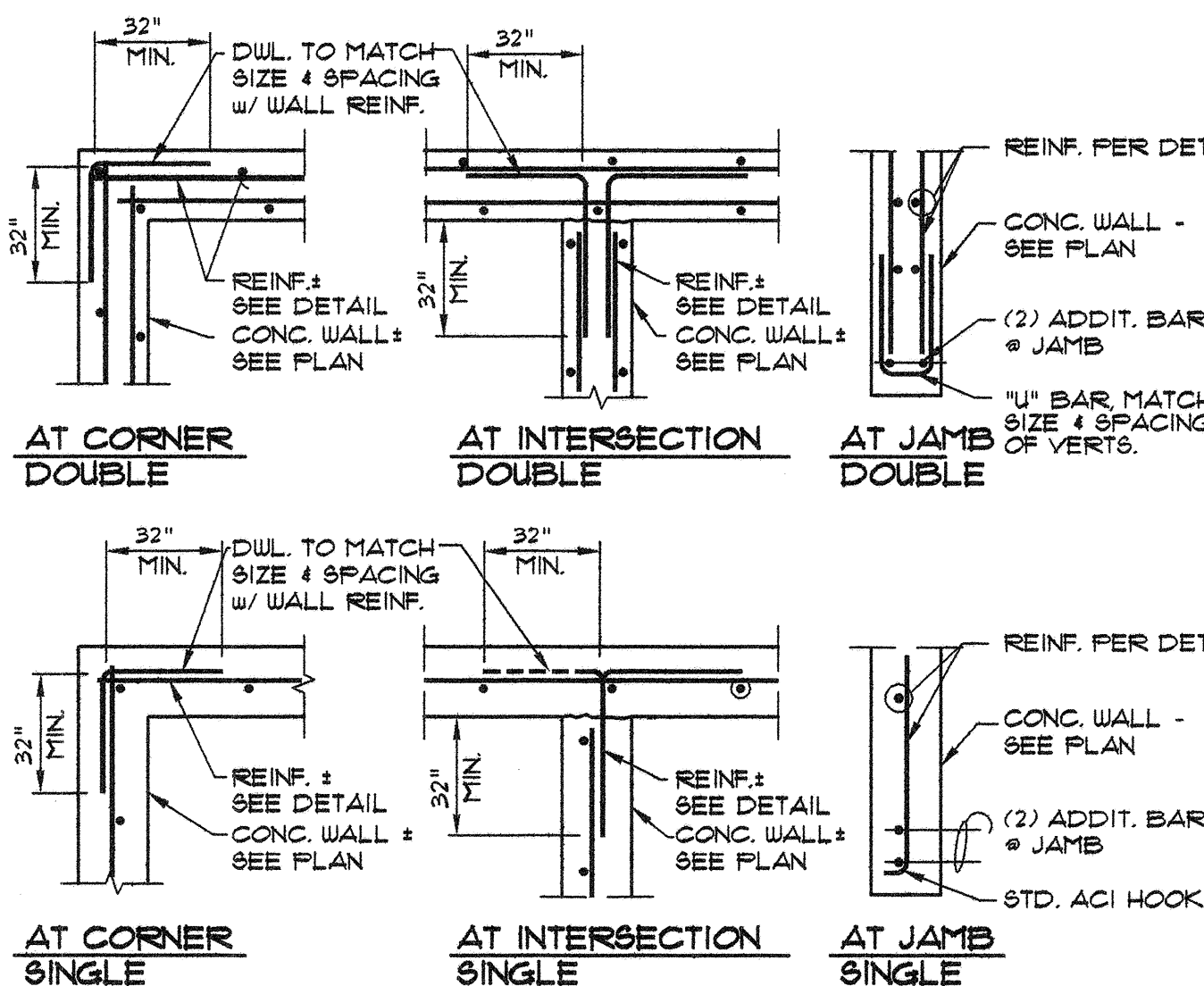
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4 TYPICAL REINFORCING BAR BENDS

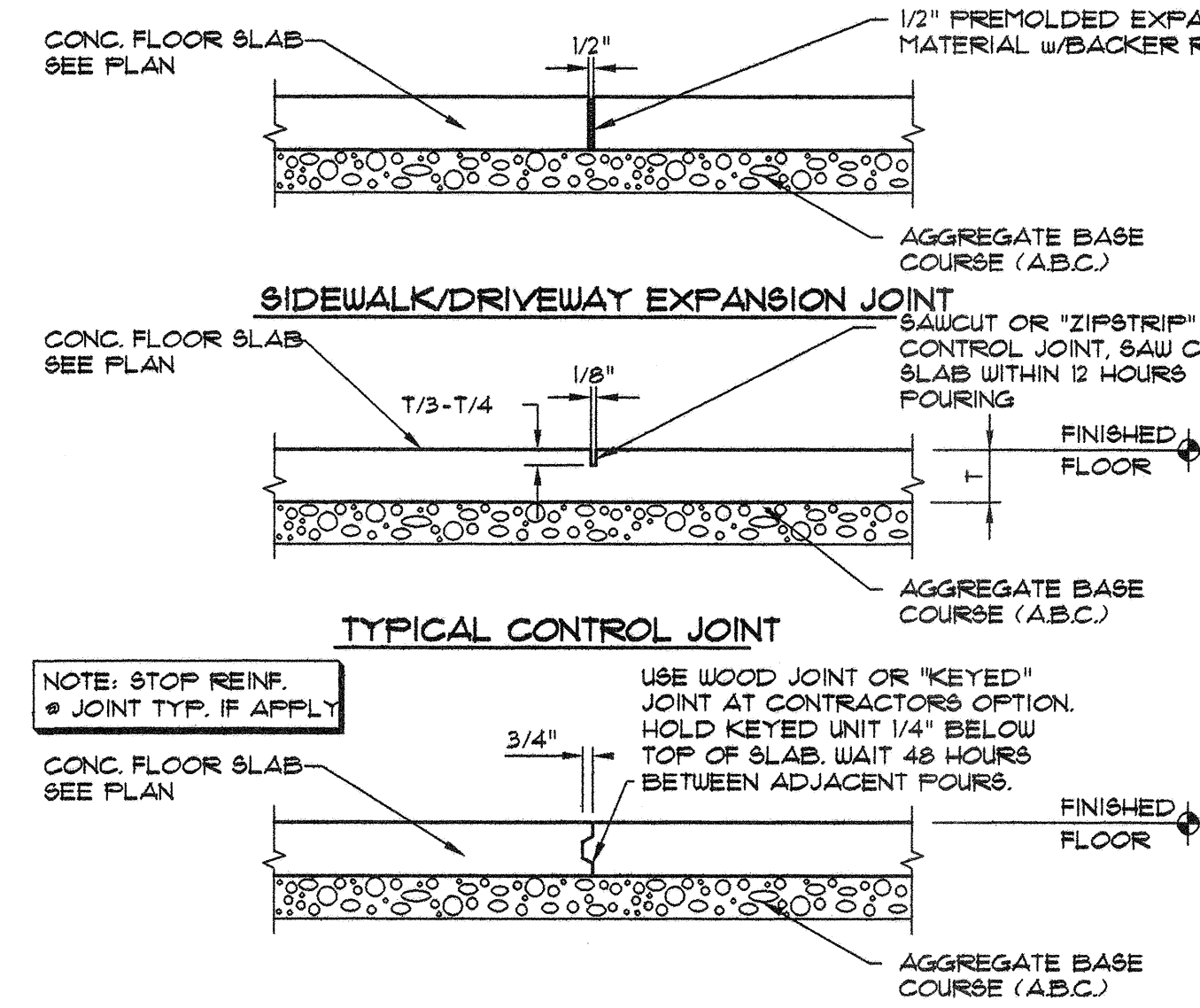


5 TYPICAL STEPPED FOOTING

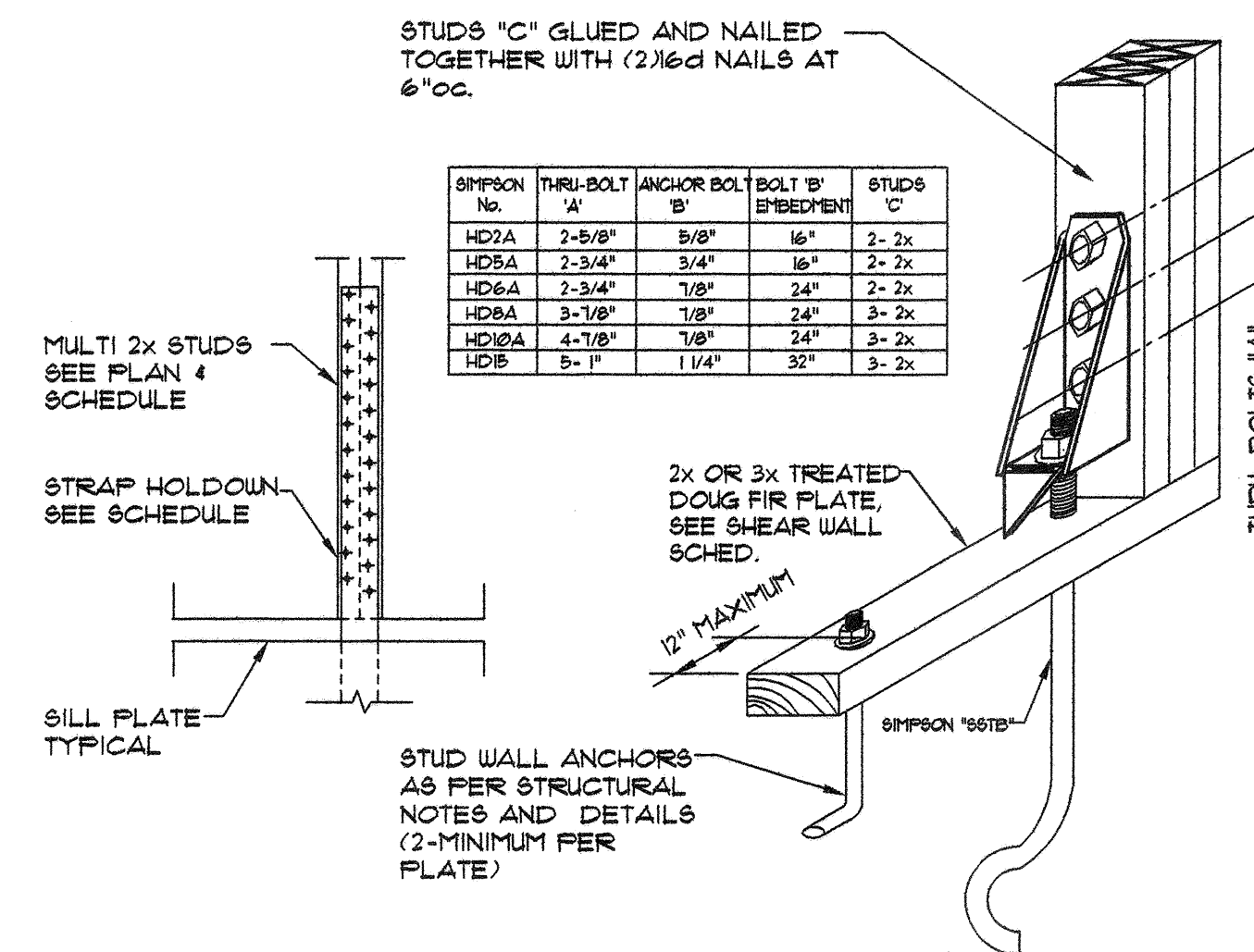


6 TYPICAL CONC. WALL REINF.

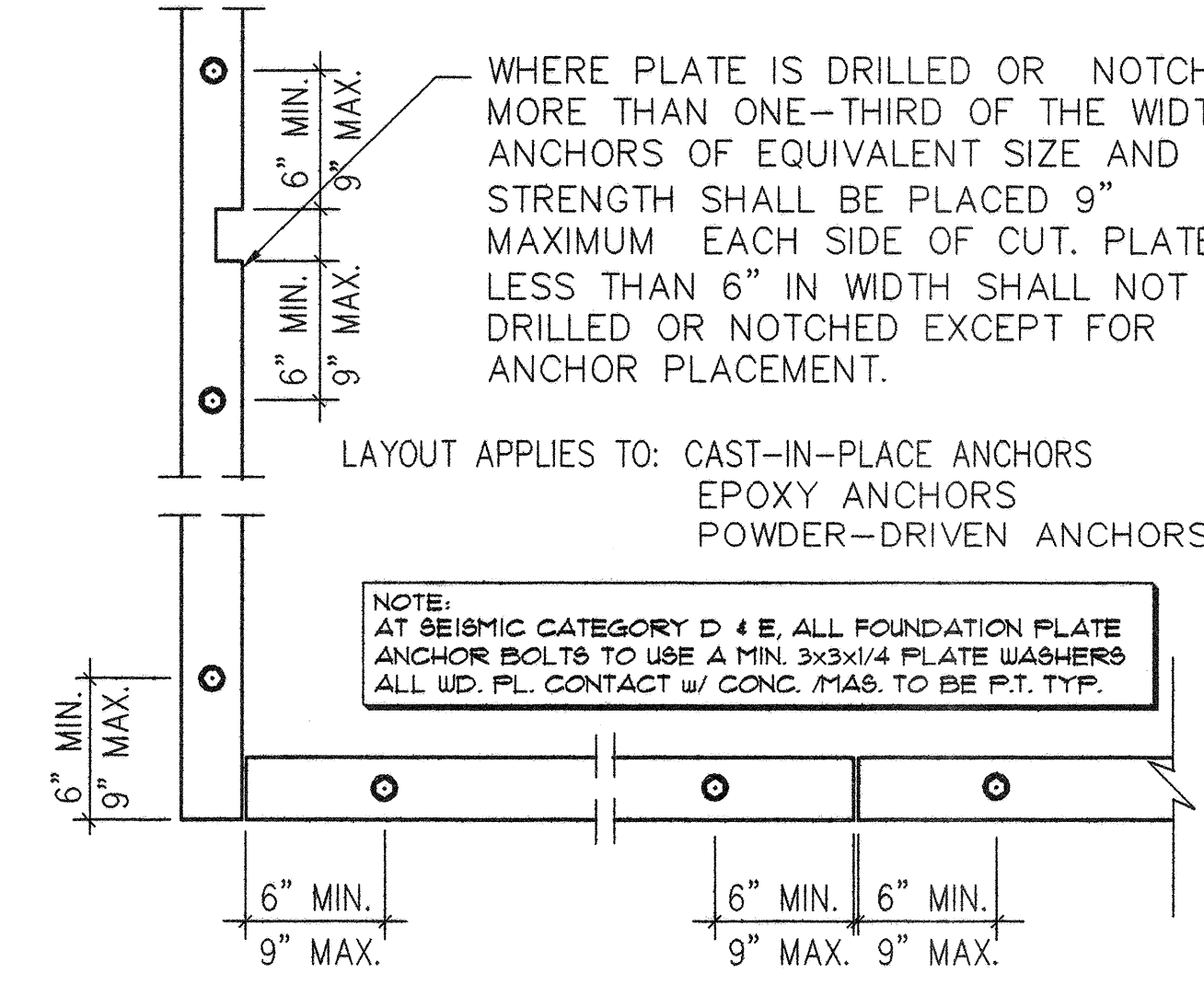
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1 TYPICAL CONCRETE FLOOR JOINTS



2 TYPICAL HOLDOWN TO CONC.



3 TYPICAL ANCHOR BOLTS LAYOUT

## State of Utah

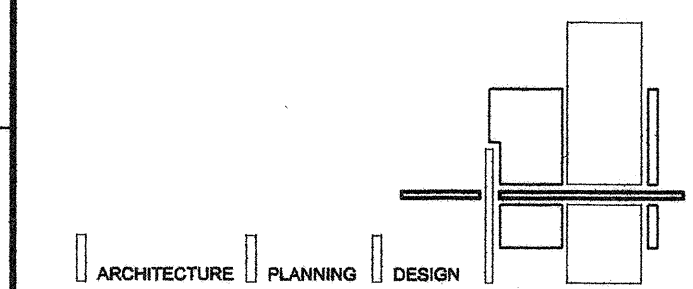
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BUILDING NAME:

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DEAD HORSE POINT  
RESTROOM IMPROV.



PROJECT TITLE:

DEAD HORSE POINT  
STATE PARK  
STATE ROAD 313  
P.O. BOX 609  
MOAB, UTAH 84532

REV.	DATE	COMMENTS & REPLY
1	9/29/05	MARK DATE DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		
ISSUE DATE: NOV., 2007		
DFCM PROJECT NO:		
CAD PROJECT NO: SE07309		
CAD DWG FILE:		
DRAWN BY: BS		
CHK'D BY: HS		
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SHEET TITLE		

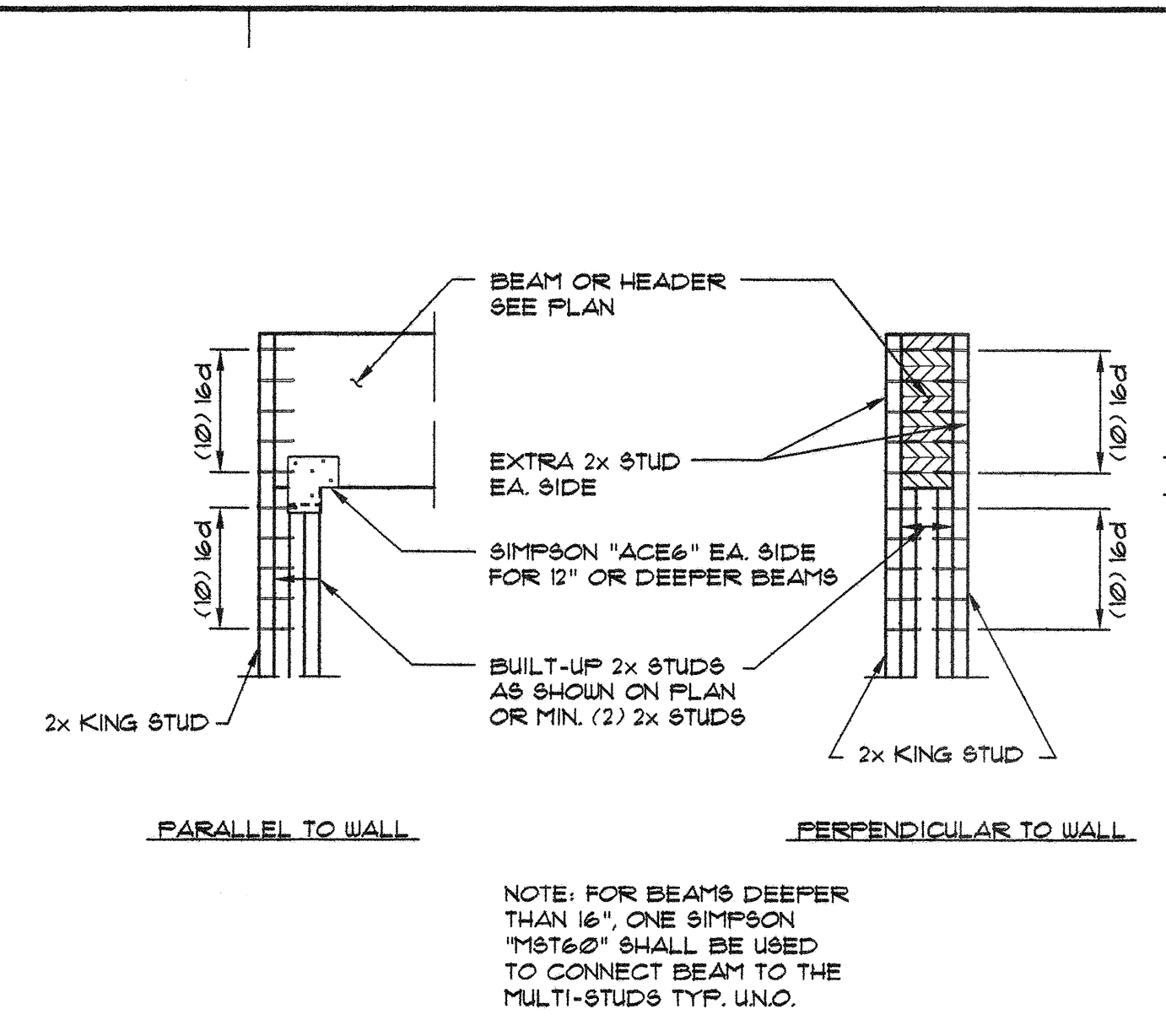
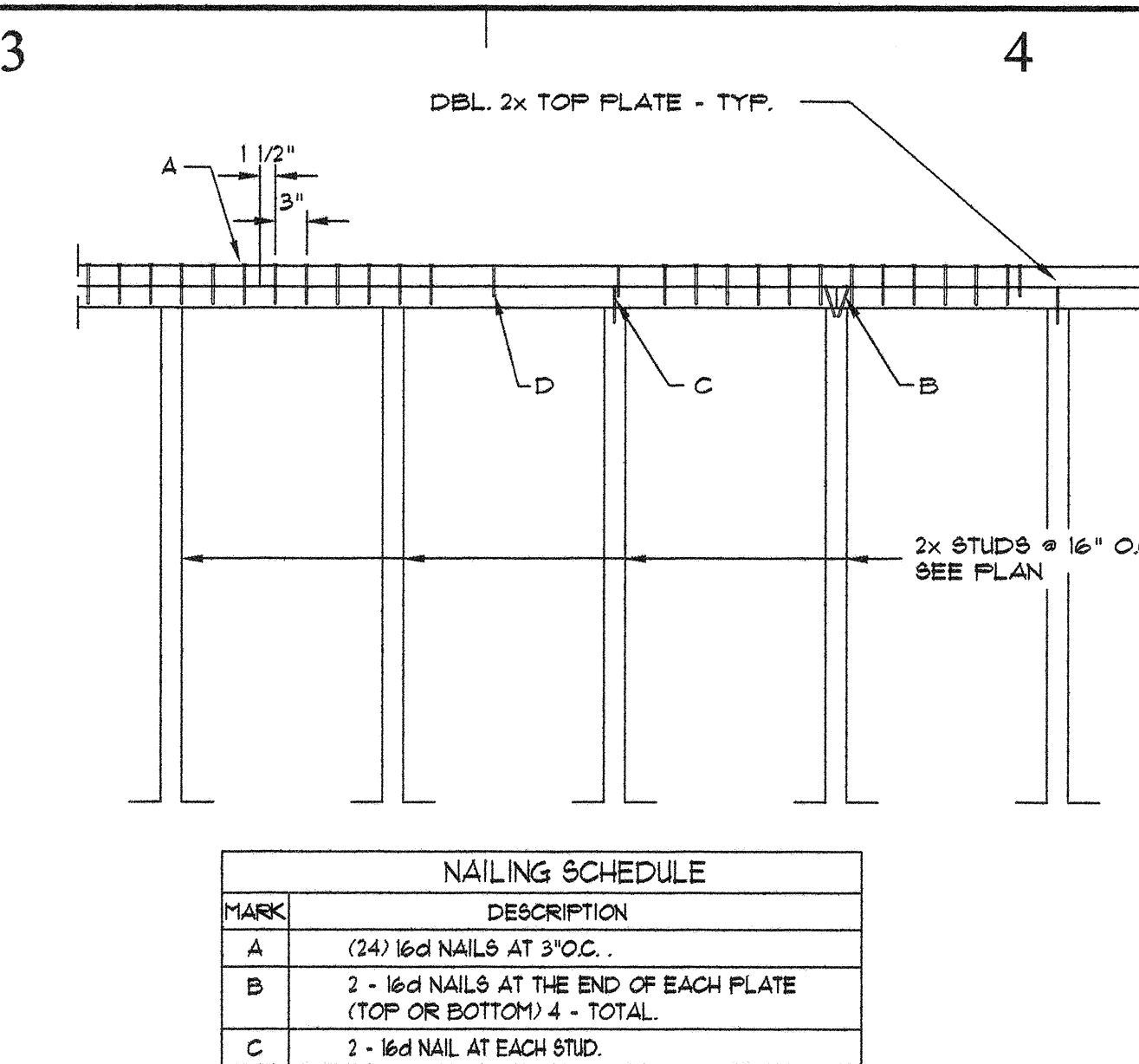
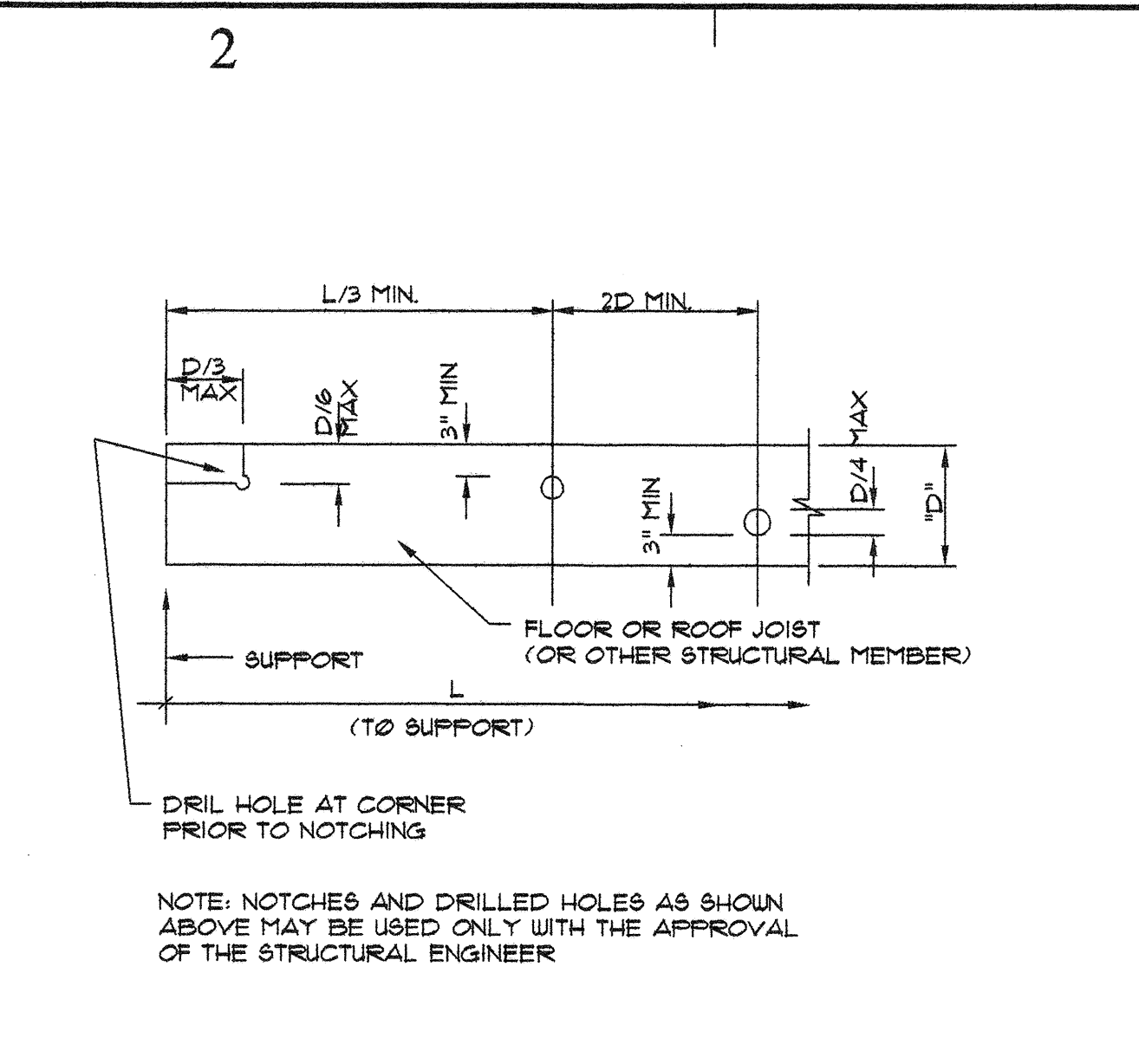
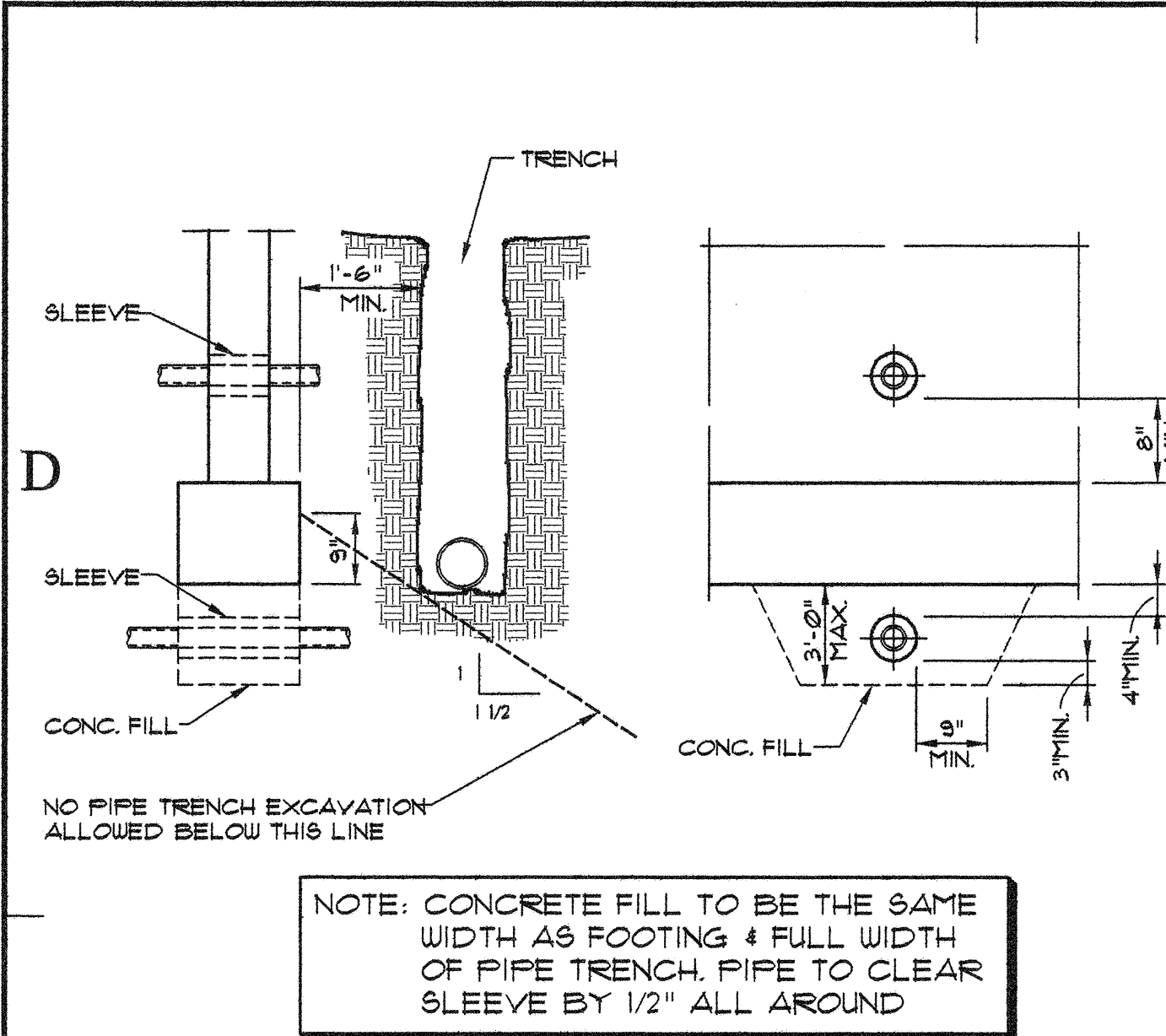
GENERAL STRUCTURAL  
NOTES & TYPICAL DETAILS

SHEET NUMBER

S-GSN100

SHEET 15 OF 25



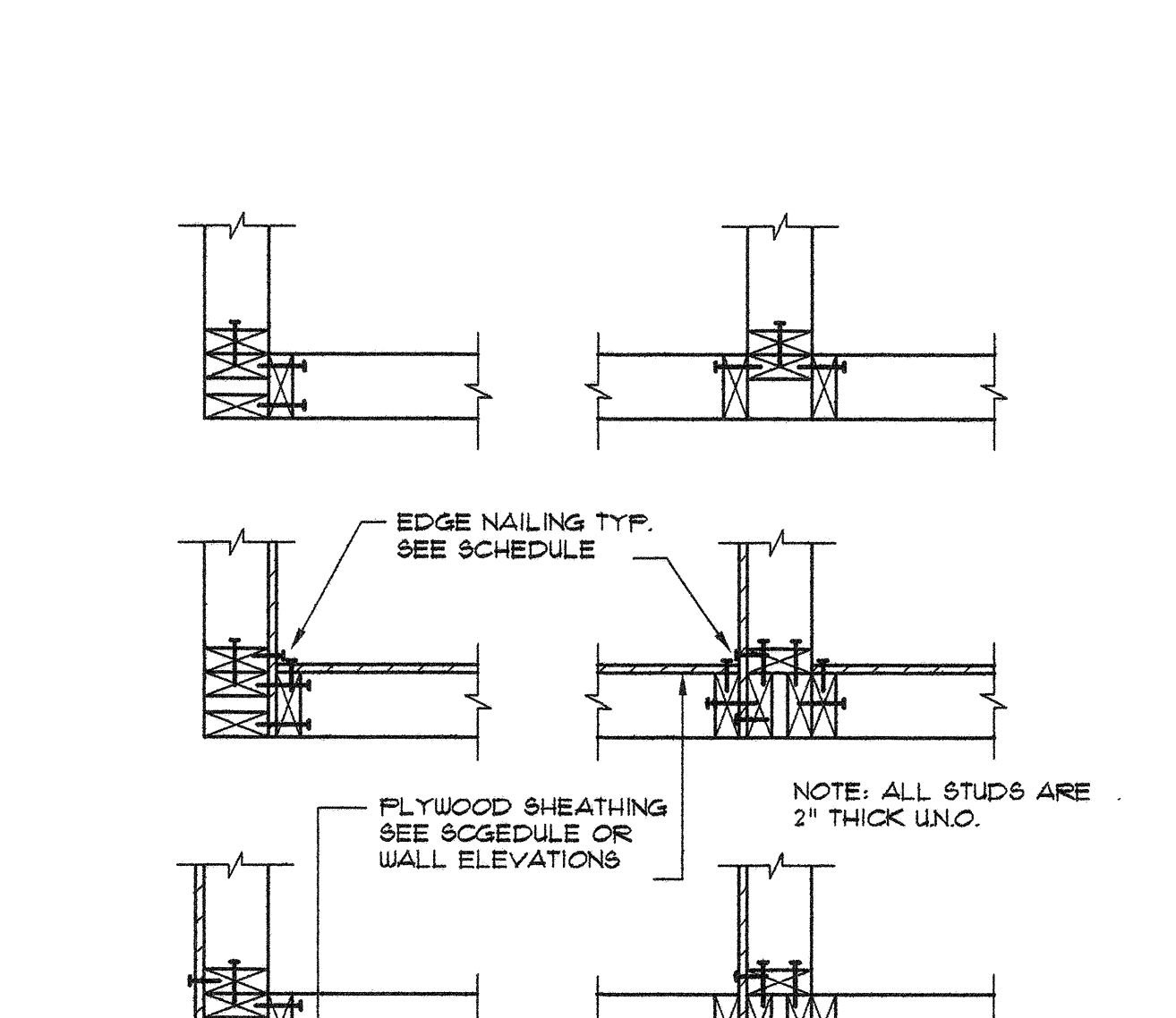
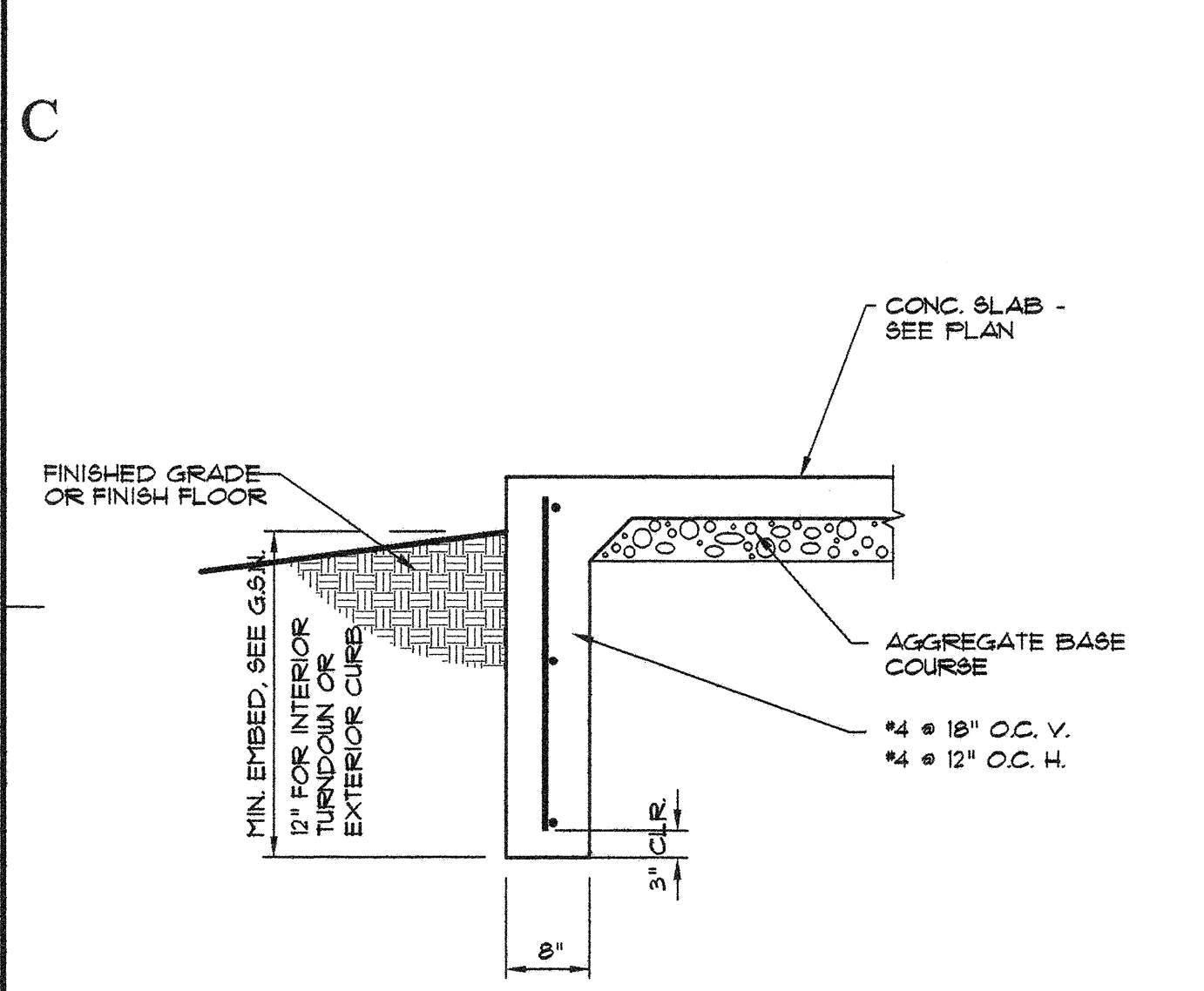


**10** PIPES AT CONCRETE FOOTING

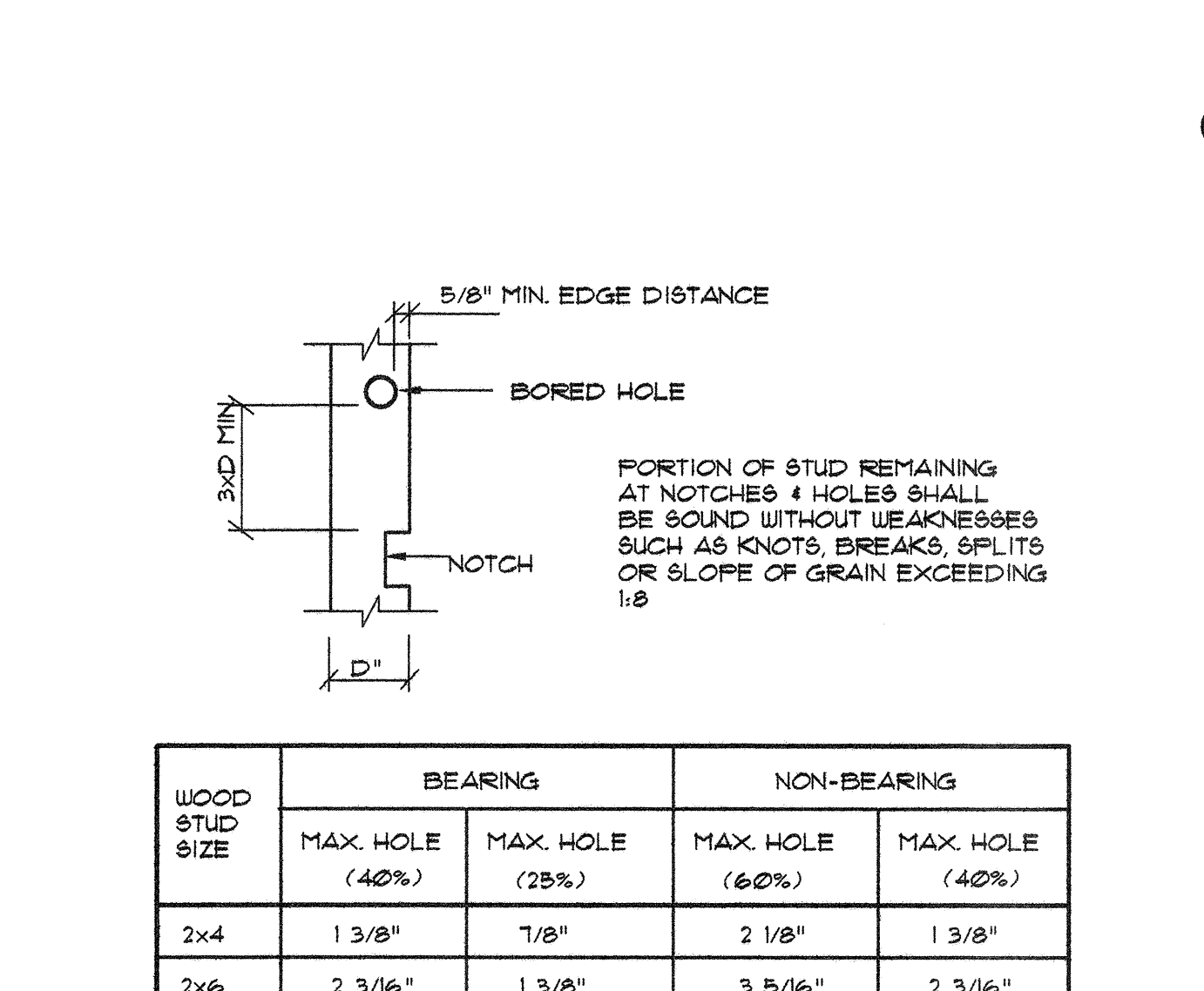
**2** TYPICAL HOLES & NOTCHING IN BEAMS

**4** TYPICAL TOP PLATE SPICE

**1** TYPICAL WOOD HEADER OR BEAM TO MULTI-STUDS CONNECTION



NAIL/STAPLE EQUIVALENT TABLE.				
FLOORS AND ROOF				
NAILS		STAPLES		
SIZE	SPACING	SIZE	SPACING	LENGTH
8d	6"	14 GA	6"	1 1/2"
8d	4"	14 GA	4"	1 1/2"
8d	2 1/2"	14 GA	2 1/2"	1 1/2"
8d	2"	14 GA	2"	1 1/2"
10d	6"	14 GA	4"	1 5/8"
10d	4"	14 GA	2 1/2"	1 5/8"
10d	2 1/2"	14 GA	2"	1 5/8"
* IN 3/4" PLYWOOD USE 2" STAPLES				
WALL				
3/8" PLYWOOD				
8d	6"	14 GA	6"	1 3/8"
8d	4"	14 GA	4"	1 3/8"
8d	3"	14 GA	3"	1 3/8"
8d	2"	14 GA	2"	1 3/8"
1/2" PLYWOOD				
8d	6"	14 GA	6"	1 1/2"
8d	4"	14 GA	4"	1 1/2"
8d	3"	14 GA	2 1/2"	1 1/2"
10d	6"	14 GA	4"	1 1/2"
10d	4"	14 GA	3"	1 1/2"
10d	3"	14 GA	2"	1 1/2"

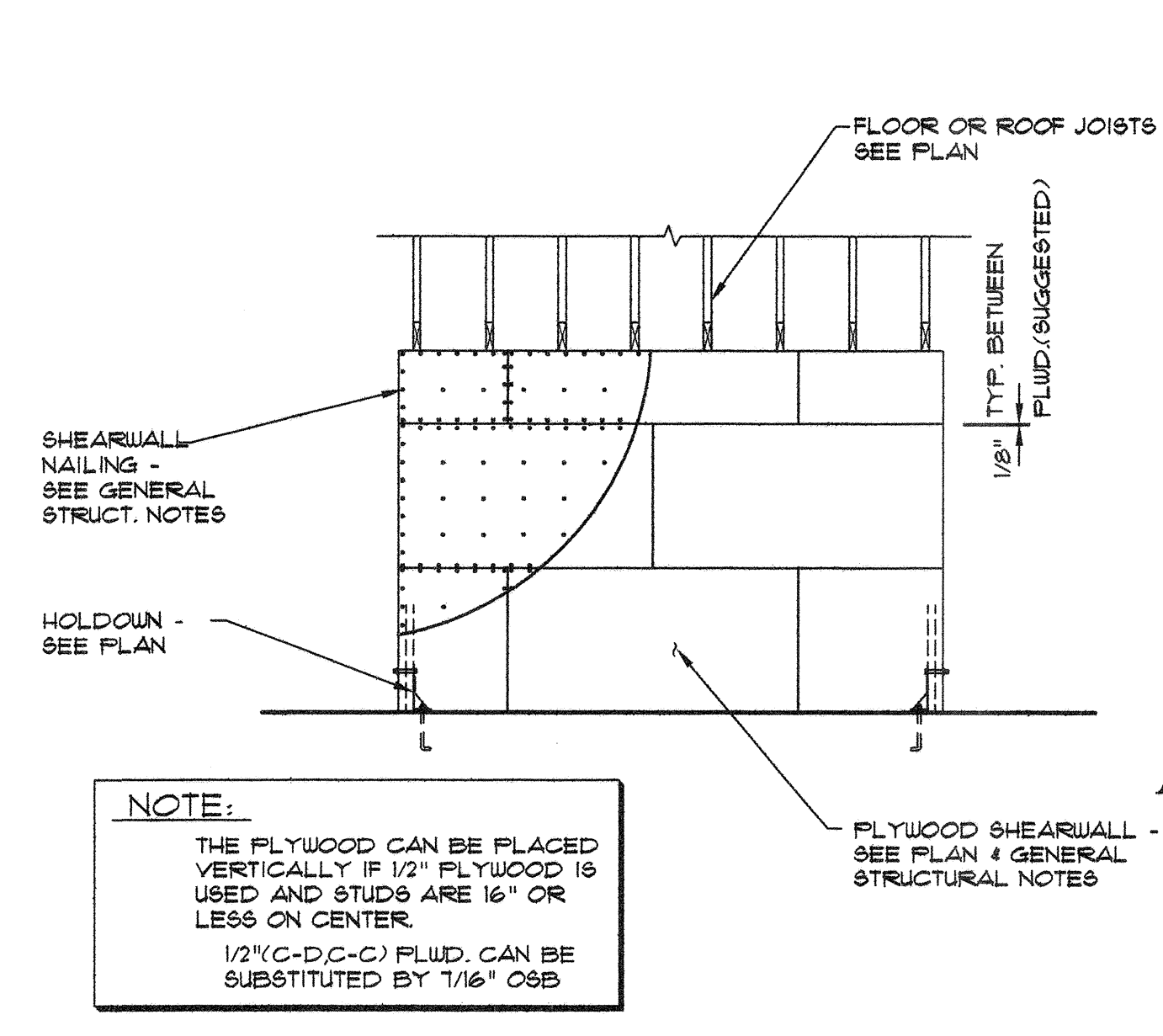
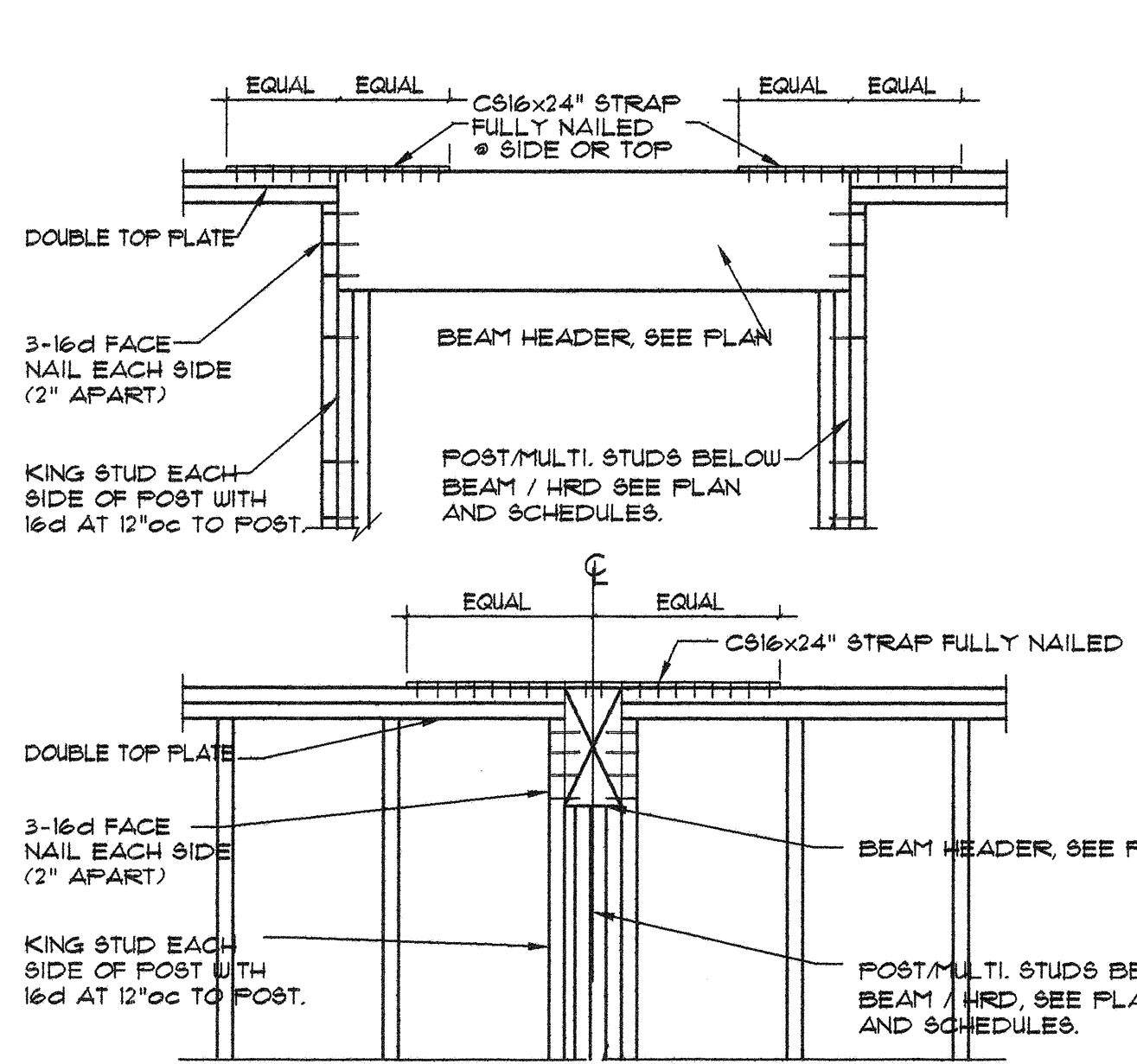
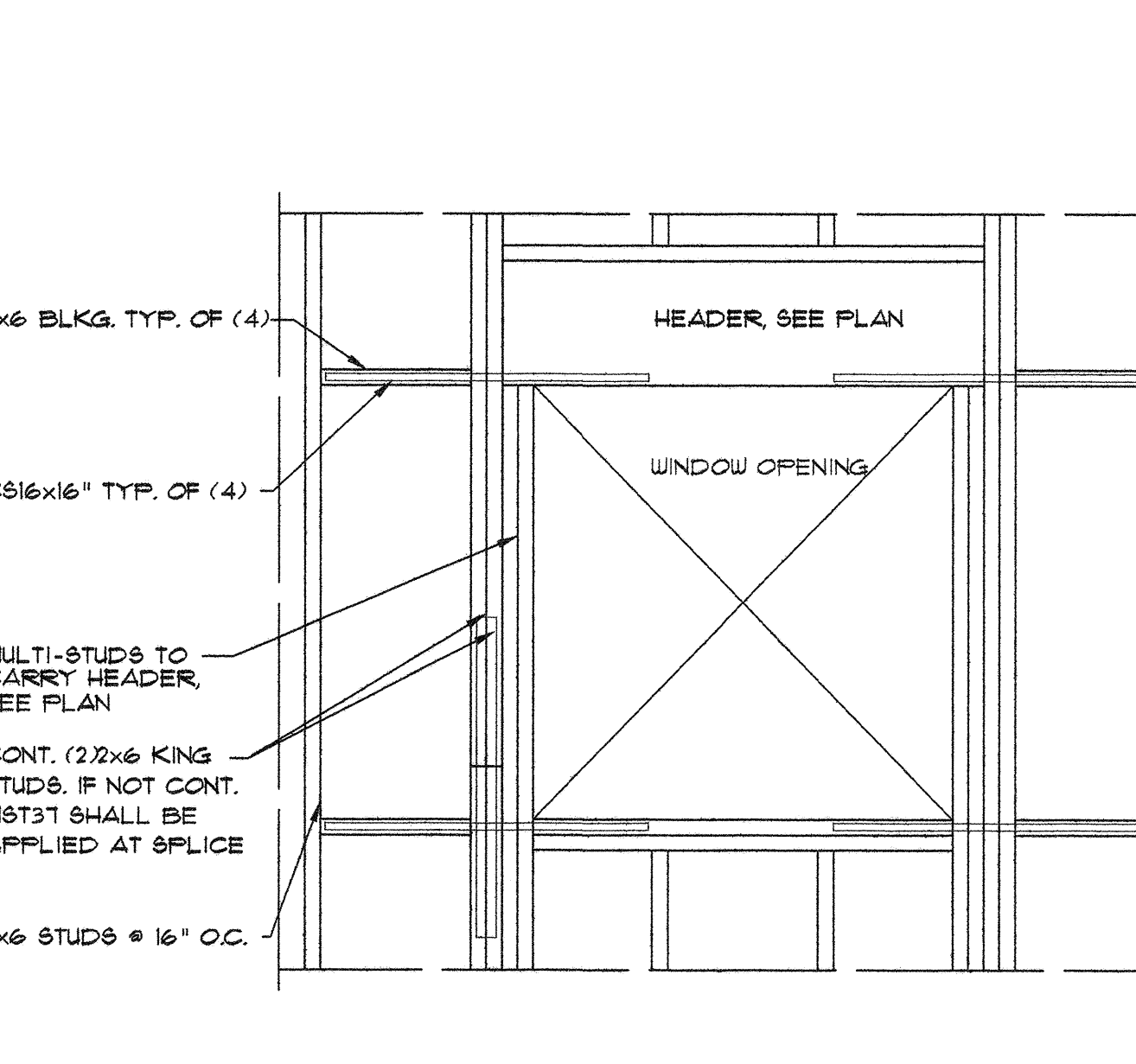
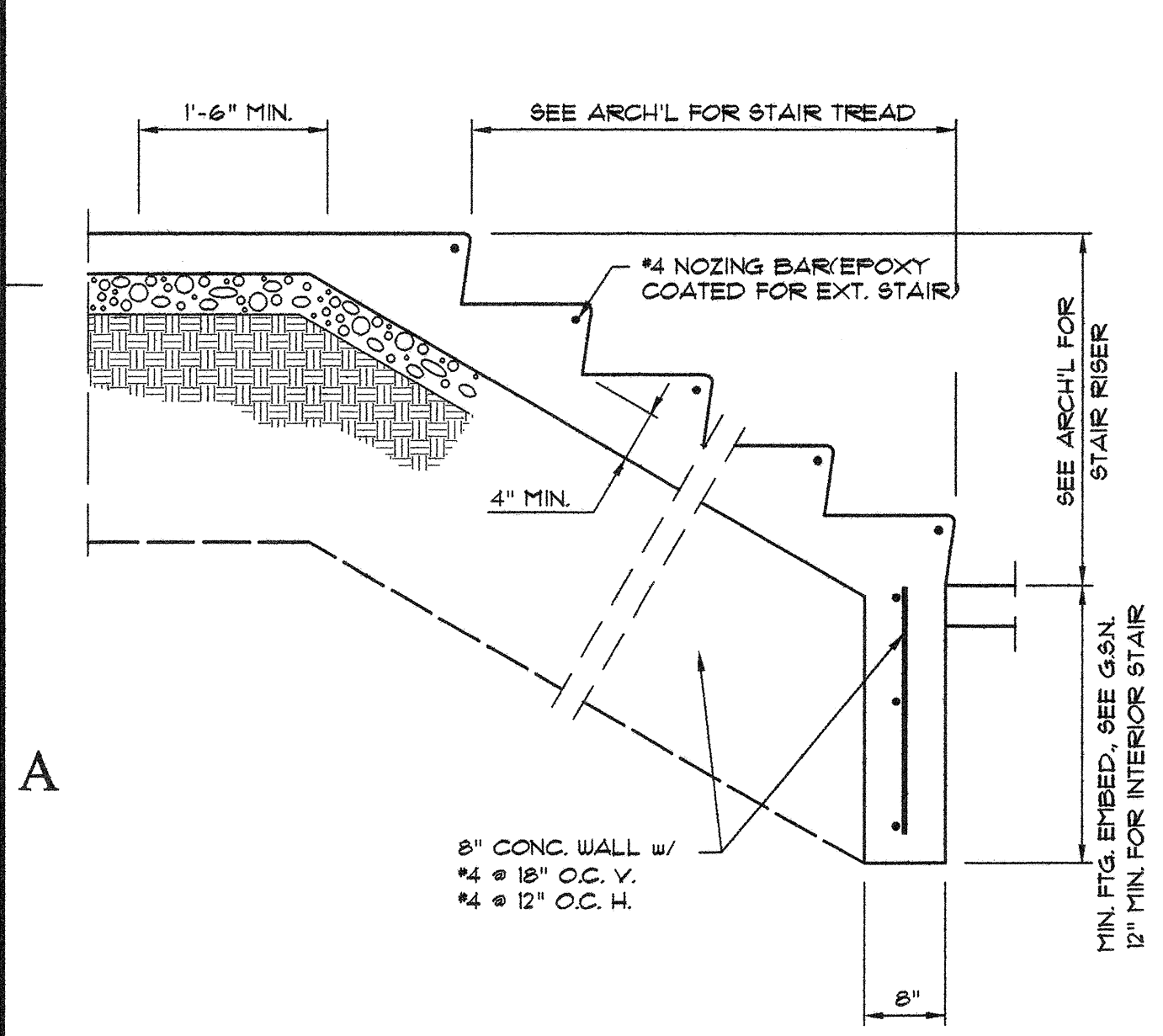


**11** TYPICAL TURNDOWN FOOTING

**8** TYPICAL WALL INTERSECTION FRAMING

**5** NAIL/STAPLE EQUIVALENT TABLE

**2**



**12** CONCRETE STAIR ON GRADE

**9** REINFORCED WINDOW OPENG. AS SHOWN ON PLAN AS  $\Delta$

**6** TYP. TOP PL. THRU BEAM HEADER IN WALL

**3** TYPICAL SHEAR WALL ELEVATION

**State of Utah**  
Department of Administrative Services

Division of Facilities  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfcm.state.ut.us>

CREATED BY: P+A architects

**P+A architects**  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)

ARCHITECTURE PLANNING DESIGN

BUILDING NAME:

**DIVISION OF PARKS  
AND RECREATION  
DEAD HORSE POINT  
RESTROOM IMPROV.**

PROJECT TITLE:

**DEAD HORSE POINT  
STATE PARK  
STATE ROAD 313  
P.O. BOX 609  
MOAB, UTAH 84532**

REV.	DATE	COMMENTS & REPLY
1	9/29/05	

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: NOV., 2007

DFCM PROJECT NO:  
CAD PROJECT NO: SE07309  
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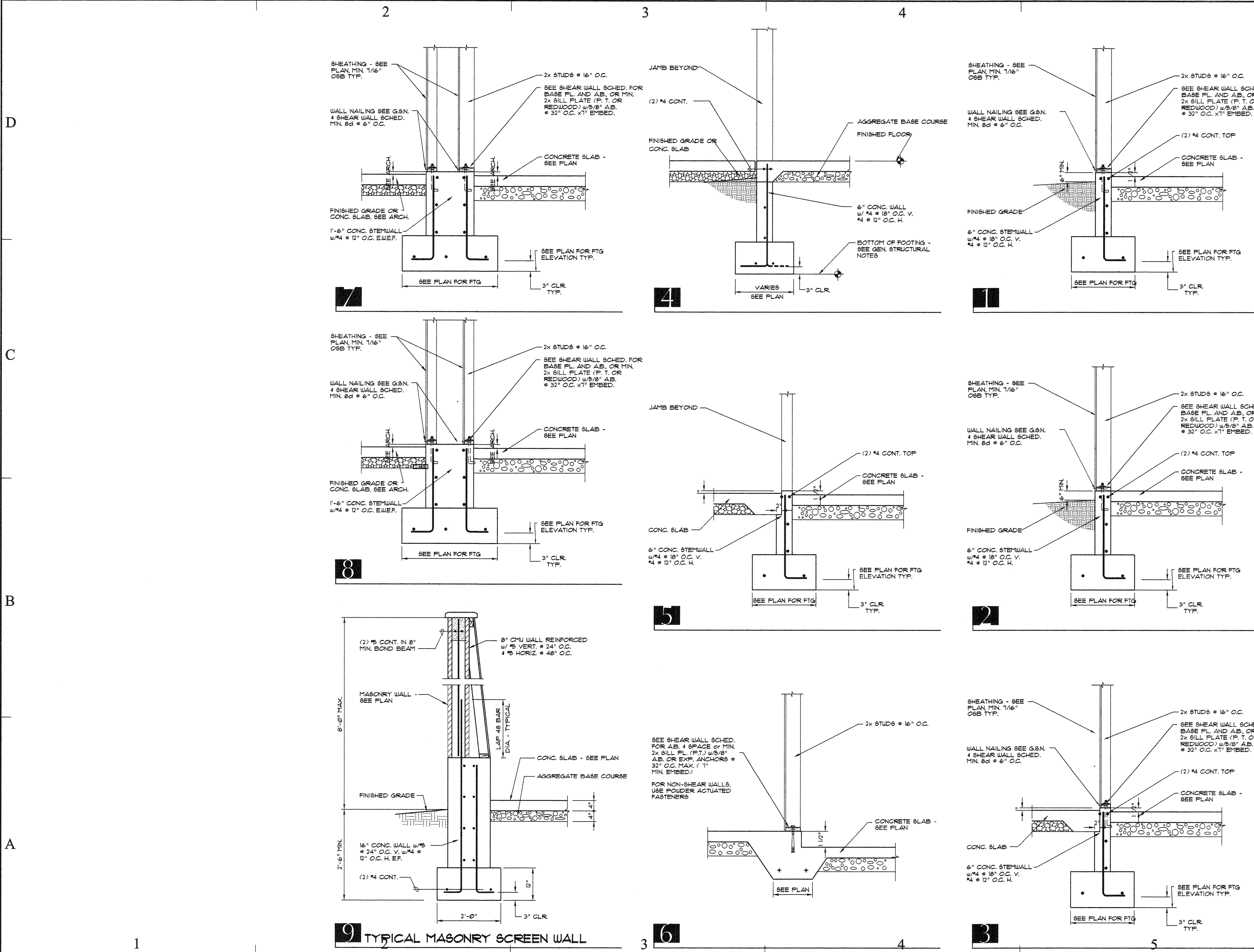
TYPICAL DETAILS

SHEET NUMBER

**S-SD501**

SHEET 16 OF 25





State of Utah  
Department of Administrative Services

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4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

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P+A architects  
821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)

ARCHITECTURE PLANNING DESIGN

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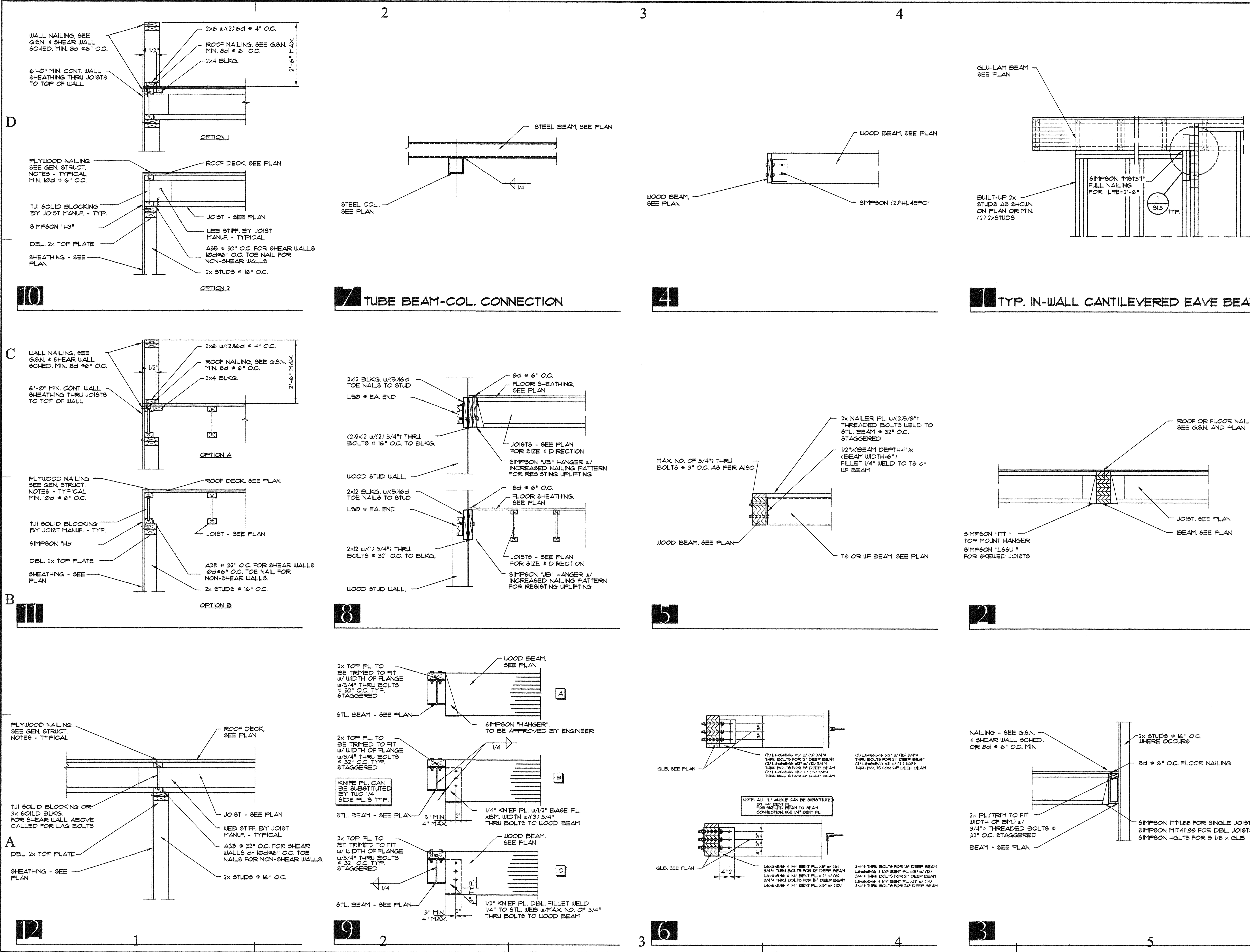
PROFESSIONAL ENGINEER  
No. 280129  
HUA SHEN  
STATE OF UTAH

PROJECT TITLE:

DEAD HORSE POINT  
STATE PARK  
STATE ROAD 313  
P.O. BOX 609  
MOAB, UTAH 84532

REV. 1	9/29/05	COMMENTS & REPLY
MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		
ISSUE DATE: NOV., 2007		
DFCM PROJECT NO:		
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SHEET TITLE		
GENERAL DETAILS		
SHEET NUMBER		
S-SD502		
SHEET 17 OF 25		





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Division of Facilities  
Construction & Management  
4110 State Office Building  
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821 East Kensington Ave.  
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P: 801.484.1161  
F: 801.485.4640  
e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)

ARCHITECTURE

PLANNING

DESIGN

BUILDING NAME:

DIVISION OF PARKS  
AND RECREATION  
DEAD HORSE POINT  
RESTROOM IMPROV.

PROFESSIONAL ENGINEER  
No. 280129  
HUA SHEN  
STATE OF UTAH

PROJECT TITLE:

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STATE PARK  
STATE ROAD 313  
P.O. BOX 609  
MOAB, UTAH 84532

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1	9/29/05	MARK   DATE   DESCRIPTION

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ISSUE DATE: NOV., 2007

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GENERAL DETAILS

SHEET NUMBER

S-S-SD503

SHEET 18 OF 25



DEAD HORSE POINT  
STATE PARK  
STATE ROAD 313  
P.O. BOX 609  
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DFCM PROJECT NO: \_\_\_\_\_  
CAD PROJECT NO: SE07309

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SHEET TITLE

FOOTING &  
FOUNDATION  
PLAN

# S-FP101

SHEET 19 OF 25

NOTE: FOR DOUBLE SIDED FLYWOOD SHEAR WALLS, THE PANEL JOINTS ON BOTH FACES TO BE OFFSET TO FALL ON DIFFERENT STUDS TYPICAL.

1/2"X-C/C-C) FLWD CAN BE SUBSTITUTED BY 1/4" Ø88 TYP. WLG.

FOR 8/14, FRAMING AT PANEL EDGES TO BE 3x8 STUD AND NAILS TO BE STAGGERED TYP.

WHERE LAG BOLTS TO BE USED, THE RHT JOIST OR JOIST BLOCKING TO BE MIN. 3x MEMBER TYP.

NOTE: IF RIM JOIST IS USED, HDN6 SHALL BE STDH2RJ &  
HDN6 SHALL BE STDH14RJ.  
SAME SIZE EPOXY BOLTS CAN BE USED AS SUBSTITUTION  
OF STDH6. TYP.  
SEE SIMPSON'S FOR MIN. EMBEDDED LENGTH.

△ INDICATES WINDOW OPENING  
REINFORCEMENT, SEE DETAIL  
12/S13 TYP.

WOOD STUD WALLS ARE  
TO BE 2x6 DFP2 GRADE  
STUDS @ 16" O.C. OR  
BETTER TYP. U.N.O.

ALL DBL. 2x JOISTS ARE TO BE CONNECTED w/GLUE AND  
w/(2)6d \* 6" O.C.  
ALL DBL. TJI JOISTS ARE TO BE CONNECTED w/STIFF. FL. GLUE  
w/(2)6d \* 6" O.C.  
ALL MICRO-LAM DBL. BEAMS AR TO BE CONNECTED w/GLUE AND  
(3)6d \* 6" O.C.  
ALL DBL. STUDS ARE TO BE CONNECTED WITH (2)6d \* 6" O.C. STAGGERED

NOTES: 1. FOR THE CASE NOT FOUND HERE, INFORM ENG. FOR DESIGN.

NUMBER OF KING STUDS:  
ONE KING STUD FOR OFNG. 2'-0" TO 5'-0"  
TWO KING STUDS FOR OFNG. 5'-0" TO 10'-0"  
THREE KING STUDS FOR OFNG. 10'-0" TO 15'-0"  
FOUR KING STUDS FOR OFNG. 15'-0" TO 20'-0"

NOTES: FOR THE CASE NOT FOUND HERE, INFORM ENG. FOR DESIGN.

**NOTE ON EPOXY BOLTS**

ALL EPOXY BOLTS ARE TO BE "SIMPSON STRONG-TIES SET HIGH STRENGTH EPOXY" AS PER ICBO/ICC CODE "ER-5275".

THE INSTALLING REQUIREMENT FOR EPOXY BOLTS AND/OR REBAR DOUELS ARE AS FOLLOWS:

DIAMETER/DRILL DIAMETER/DEPTH/EDGE DIST./SPACING DIST

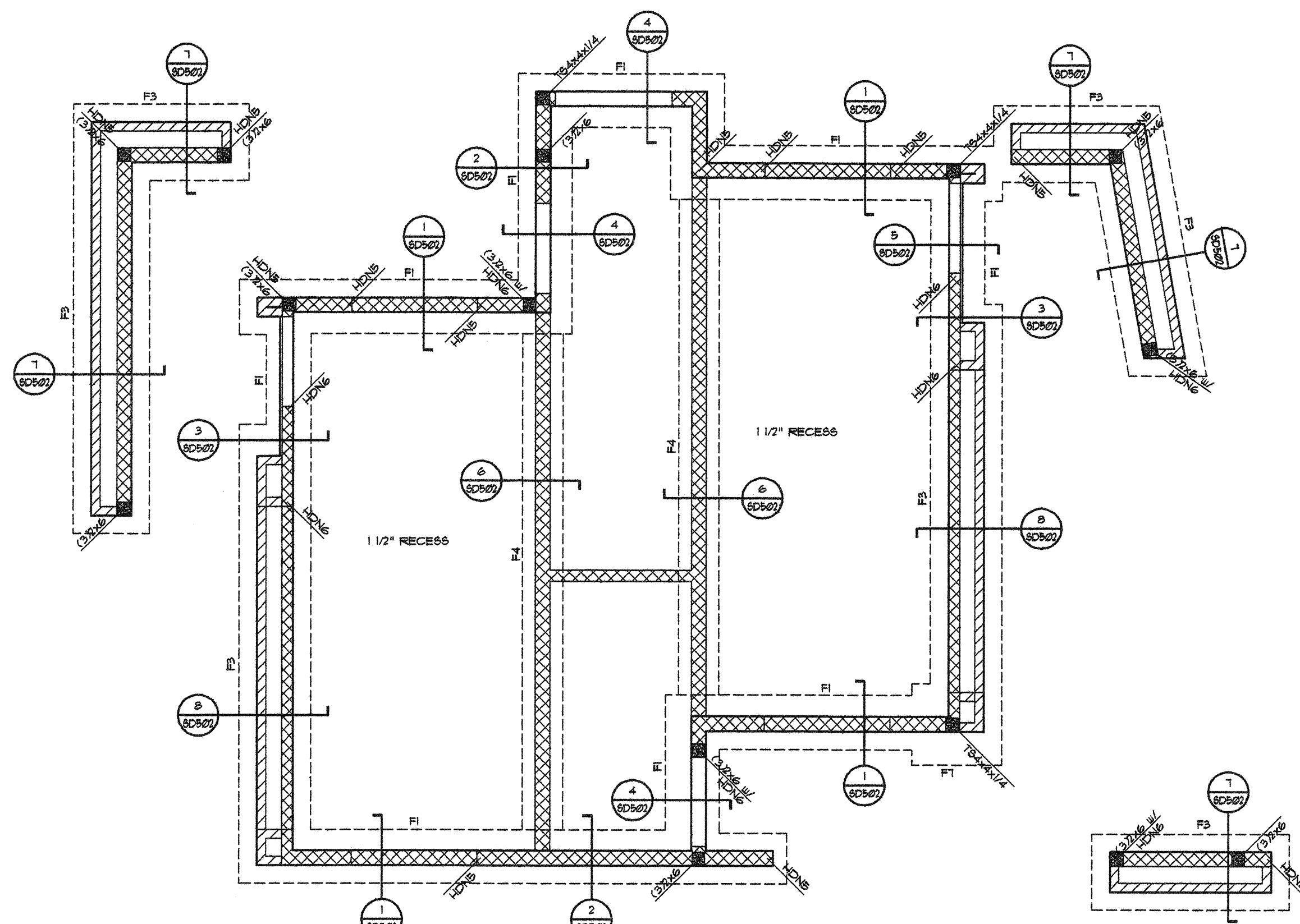
1/2"	5/8"	4 1/4"	1 3/4"	6 3/8"
5/8"	3/4"	5"	1 3/4"	7 1/2"
3/4"	1 1/8"	6 3/4"	1 3/4"	10 1/8"

1. SEE GENERAL STRUCTURAL NOTES SHEET FOR STANDARD CONCRETE DETAIL SPECIFICATIONS.
  - A. GENERAL STRUCTURAL NOTES
  - B. GENERAL EXCAVATION ADJACENT TO FOOTING
  - C. TYPICAL SLAB JOINT DETAILS
2. STEPS DOWN TO CONCRETE WALL STEP.
3. F-1 - DENOTES FOOTING MARK - SEE FOUNDATION SCHEDULE
4. K.C.J. - DENOTES KEYED CONCRETE JOINT - SEE STANDARD DETAIL
5. C.J. - DENOTES CONTROL JOINT - SEE STANDARD DETAIL
6. F-1-3 - DENOTES FOOTING STEP, SEE DETAIL SCHEDULE
7. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS FOR ALL DETAILS. SEE ARCHITECTURAL FOR ALL DIMENSIONS, SLAB SLOPES & DIMENSIONS NOT NOTED.
8. ALL SLABS ON GRADE ARE TO BE JOINTED AT 20' MAX SPAN PER STANDARD DETAIL. IN ADDITION, ALL SLABS ON GRADE ARE TO BE JOINTED AT AN ASPECT RATIO OF GREATER THAN 1/21:1. PROVIDE (2) 4" x 4" MID-HEIGHT SLAB BARS TO BE USED TO PROVIDE JOINTS AT JOINT LOCATIONS. ALL COLUMN ISOLATION JOINTS ARE TO BE USED AND INTERSECTED BY A SLAB JOINT OR REINFORCING BARS TO BE PLACED ABOVE AND SUPPORT COMPLETE JOINT LAPS TO BE TO THE ARCHITECT FOR PRIOR REVIEW.
9. ALL WOOD TO CONTACT W/ CONC. OR MASONRY TO BE P.T. OR REDUCED TO P.T.
10. ALL WOOD TO BE TYP. OR BLDG. TO BE TYP. USE A MIN. 2X6/3X6 W/ SLASHES

1. VERIFY FTG STEP LOCATIONS AND HEIGHT  
IN FIELD PRIOR TO FORMING FOOTINGS. MAKE FTG REBAR  
CONTINUOUS THROUGH FTGS WITH BENT BARS AT CORNERS.  
LAP BARS 40 BAR DIAMETERS AT SPICES AND TIE.
2. ACCURATELY LOCATE ANCHOR BOLTS AND HOLDDOWNS FROM  
THE PLAN AND VERIFY PRIOR TO PLACING CONCRETE.
3. DO NOT POUR ANY CONCRETE UNTIL THE FORMS ARE ADEQUATELY  
BOLSTERED AND SUPPORTED AND ALL REBAR IS IN PLACE AND  
SECURED.
4. DO NOT PERMIT FIN. GRADE TO COME CLOSER THAN 6" TO TOP OF  
CONCRETE.

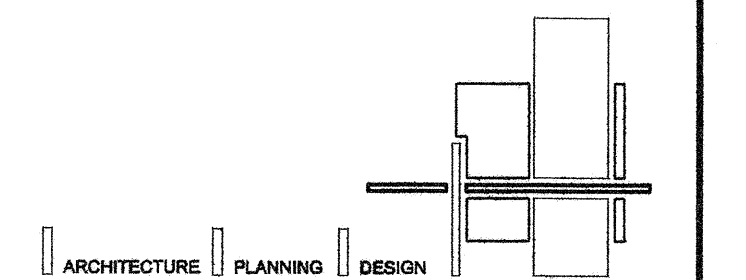
FOOTING SCHEDULE		BASED ON SOIL BEARING = 800 PSF ARCH/CONTRACTOR VERIFY IT	
MARK	SIZE	REINFORCING	REMARKS
F1	2'-0" x CONT. x 12"	(2) #4 CONT.	
F2	2'-6" x CONT. x 12"	(3) #4 CONT.	
F3	3'-0" x CONT. x 12"	(4) #4 CONT.	
F4	1'-4" x CONT. x 12"	(1) #4 CONT.	THICKENED SLAB
F5	2'-0" x CONT. x 12"	(2) #4 CONT.	THICKENED SLAB
F6	2'-6" SQ. x 12"	(2) #5 E/W	
F7	3'-0" SQ. x 12"	(3) #5 E/W	
F8	3'-6" SQ. x 12"	(4) #5 E/W	
F9	4'-0" SQ. x 12"	(4) #5 E/W	
F10	4'-6" SQ. x 12"	(5) #5 E/W	
F11	5'-0" SQ. x 12"	(5) #5 E/W	
F12	5'-6" SQ. x 13"	(6) #5 E/W	
F13	6'-0" SQ. x 13"	(6) #5 E/W	
F14	7'-0" SQ. x 14"	(6) #5 E/W	

FIN. FLR. = (SEE ARCH. DWG.)  
4" CONCRETE FLOOR SLAB  
6x6-W/4xW/4 WUF OVER  
4" AGGREGATE BASE COUR  
(ABC) TYPICAL UNO



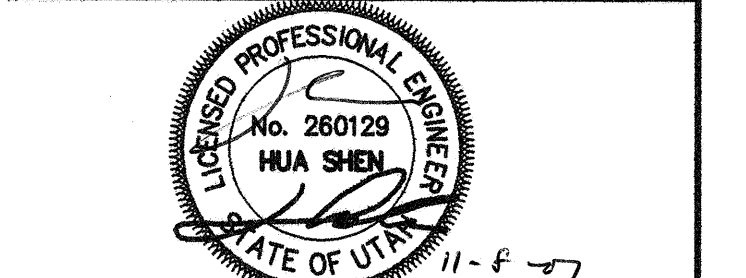
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BUILDING NAME:

**DIVISION OF PARKS  
AND RECREATION  
DEAD HORSE POINT  
RESTROOM IMPROV.**



PROJECT TITLE:

**DEAD HORSE POINT  
STATE PARK  
STATE ROAD 313  
P.O. BOX 609  
MOAB, UTAH 84532**

REV.	DATE	COMMENTS & REPLY
MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: NOV., 2007

DFCM PROJECT NO:
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SHEET TITLE

ROOF FRAMING PLAN

SHEET NUMBER

**S-FP102**

SHEET 20 OF 25

ROOF JOIST SCHEDULE				
MARK	SIZE	TYPE	SPACE	REMARKS
RJ1	11 7/8"	TJ1210	16" O.C.	TYP. UNO.
RJ2	11 7/8"	TJ1210	12" O.C.	OR TJ1210 @ 16" O.C.
RJ3	11 7/8"	TJ1210	24" O.C.	FOR JOIST SPACING - 6" INPORT ENGR FOR APPROVE

NOTES:  
1. PLACE FULL DEPTH BLOCKING BETWEEN JOISTS AT ALL BEARING POINTS.  
2. BEVELED BEARING PLATES TO BE REQUIRED WITH TJ JOISTS.  
3. ALL DOUBLE JOISTS TO BE BEARED ON MIN. (2) 2" STUDS AT WALL BEARING TYP. UNO.  
4. NO WEB STIFFENERS ARE REQUIRED IF NOT SPECIFIED TYP. UNO.

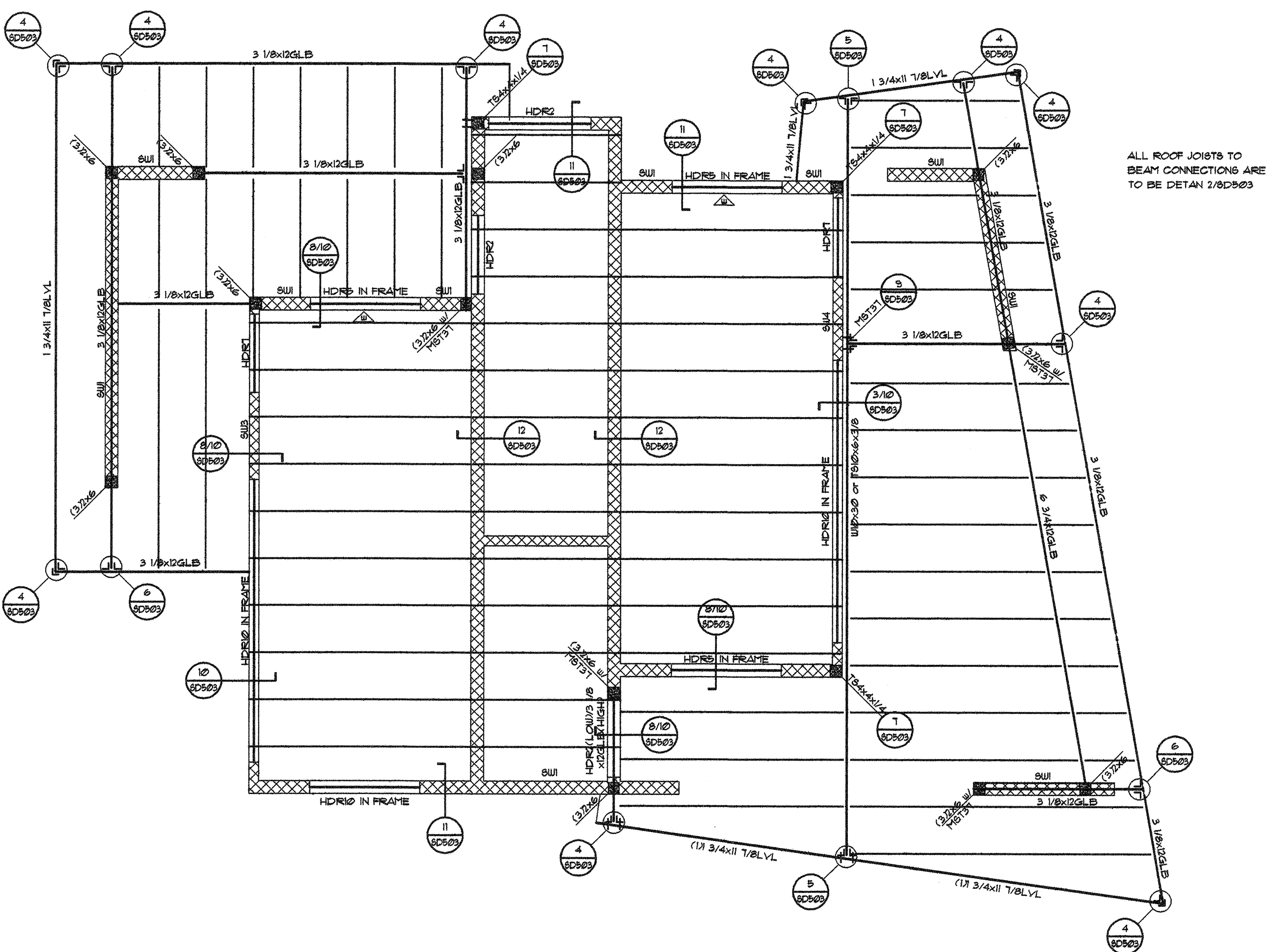
ROOF FRAMING PLAN NOTES:  
1. SEE GENERAL STRUCTURAL NOTES SHEET AND STANDARD WOOD FRAMING DETAILS FOR:  
A. GENERAL STRUCTURAL NOTES  
B. TYPICAL HEADER DETAIL  
C. TYPICAL TOP PLATE BRICE DETAIL  
D. TYPICAL SHEAR WALL DETAIL  
2. K.P. = KING POST. SEE PLAN FOR SIZE AND LOCATION TYPICAL.  
3. ALL ROOF JOISTS ARE TO BE TJ JOISTS SEE PLAN FOR SIZE AND SPACE TYP.  
4. ESTABLISH AND VERIFY ALL OPENINGS & INSERTS FOR MECHANICAL, ELECTRICAL & PLUMBING WITH THE APPROPRIATE TRADES. DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.  
5. HANGING CEILING DUCTWORK OR OTHER ITEMS FROM THE PLYWOOD DECK IS NOT ALLOWED.  
6. PROVIDE JOIST BRIDGING AS PER MANUFACTURER'S SPECIFICATION.  
7. PROVIDE SOLID BLOCKING AT JOIST BEARING TYPICAL UNO.  
8. PROVIDE 1/8" GAP ON ROOF DECK PLYWOOD OR FOLLOW MANUFACTURER'S SPECIFICATION.  
9. ALL HEADERS OVER OPENINGS TO BE MIN. (3) 2x10 AT BRG. WALLS w/(2) 2x6 STUDS ENDS.  
10. SEE STANDARD DETAIL FOR MULTI-STUDS TO WOOD BEAM/HEADER CONNECTION TYPICAL.  
11. SHEAR WALLS SHOWN ARE BELOW FRAMING LEVEL. COORDINATE WITH FRAMING PLANS.

HEADER SCHEDULE			
MARK	SIZE	END BRG.	REMARKS
HDR-1	(3)2x6	(2)2x6	--
HDR-2	(3)2x6	(2)2x6	--
HDR-3	(3)2x6	(2)2x6	--
HDR-4	(3)2x12	(3)2x6	--
HDR-5	5 1/8x12 GLB	(3)2x6	or (3) 3/4x11 T&BLVL
HDR-6	(2)2x6	(2)2x6	--
HDR-7	(2)2x10	(3)2x4	--
HDR-8	(2)2x10	(3)2x4	--
HDR-9	(2)2x12	(3)2x4	--
HDR-10	3 1/8x12 GLB	(4)2x4	or (2) 3/4x11 T&BLVL

NOTES:  
1. GLULAM BEAMS SHALL BE COMBINATION SYMBOL 24F-V4 FOR REGULAR BEAM AND 24F-V8 FOR CANTILEVERED BEAM TYPICAL.  
2. ALL GLULAM BEAMS TO BE ZERO CAMBER BEAMS UNO.  
3. ALL MULTI-MEMBER BEAMS & STUDS SHALL BE NAILED TOGETHER w/(2) ROWS 16d @ 6" O.C. BOTH SIDES TYPICAL.

TYPICAL DRAG-STRUCT NOTES  
DRAG1  
(1) EXTRA JOIST (OR JOIST BLKS) w/SIMPSON "C816" CONT. w/FULL NAILING TYP. SEE DET. V84.3  
DRAG2  
SIMPSON "C816" CONT. FROM BEAM (OR BLKS) TO SHEAR WALL w/FULL NAILING TYP. SEE DET. V84.3  
DRAG3  
3"x BLKS (OR 3" WIDE JOIST) w/SIMPSON "C816" CONT. w/FULL NAILING TYP. SEE DET. V84.3

TYPICAL ROOF DECK:  
1/8" PLYWOOD/OSB SHEATHING, SPAN RATING 24/0  
SEE GENERAL STRUCTURAL NOTES-TYPICAL NAILING  
8d @ 6" O.C. AT ALL PANEL EDGES SUPPORTED EDGES. ALL TOP OF SHEAR WALLS 8d @ 12" O.C. AT ALL PANEL FIELD  
PLACE SHEATHING LONG-WISE ACROSS FRAMING. STAGGER END JOINTS. UNBLOCKED DIAPHRAGM.

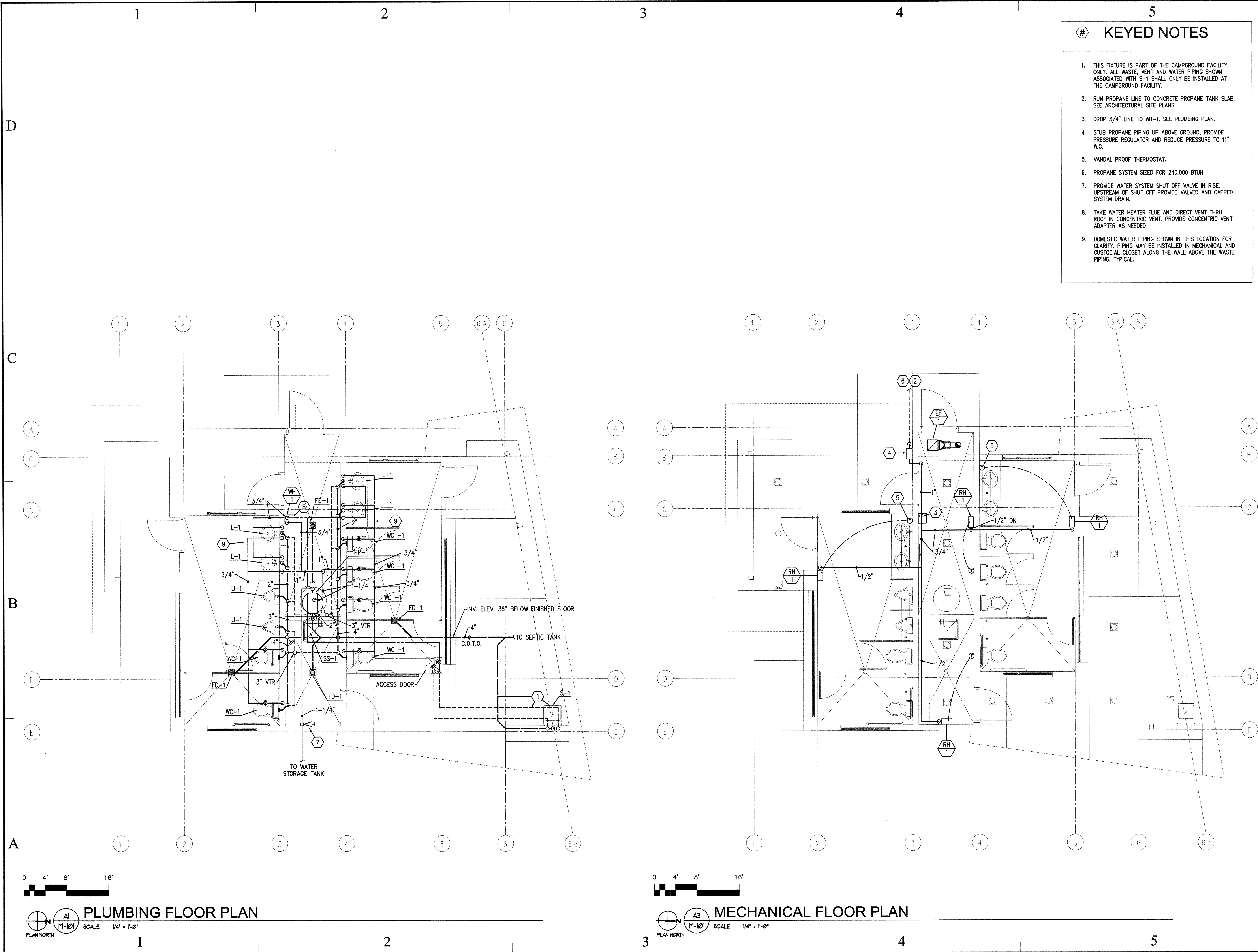


**ROOF FRAMING PLAN**  
SCALE 1/4" = 1'-0"









- # KEYED NOTES
1.

THIS FIXTURE IS PART OF THE CAMPGROUND FACILITY ONLY. ALL WASTE, VENT AND WATER PIPING SHOWN ASSOCIATED WITH S-1 SHALL ONLY BE INSTALLED AT THE CAMPGROUND FACILITY.
2.

RUN PROPANE LINE TO CONCRETE PROPANE TANK SLAB. SEE ARCHITECTURAL SITE PLANS.
3.

DROP 3/4" LINE TO WH-1. SEE PLUMBING PLAN.
4.

STUB PROPANE PIPING UP ABOVE GROUND, PROVIDE PRESSURE REGULATOR AND REDUCE PRESSURE TO 11" W.C.
5.

VANDAL PROOF THERMOSTAT.
6.

PROPANE SYSTEM SIZED FOR 240,000 BTUH.
7.

PROVIDE WATER SYSTEM SHUT OFF VALVE IN RISE. UPSTREAM OF SHUT OFF PROVIDE VALVED AND CAPPED SYSTEM DRAIN.
8.

TAKE WATER HEATER FLUE AND DIRECT VENT THRU ROOF IN CONCENTRIC VENT. PROVIDE CONCENTRIC VENT ADAPTER AS NEEDED
9.

DOMESTIC WATER PIPING SHOWN IN THIS LOCATION FOR CLARITY. PIPING MAY BE INSTALLED IN MECHANICAL AND CUSTODIAL CLOSET ALONG THE WALL ABOVE THE WASTE PIPING. TYPICAL.

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CREATED BY: P+A architects

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F: 801.485.4640

e-mail [parchitects@comcast.net](mailto:parchitects@comcast.net)

STATE OF UTAH

261110

REGISTERED ARCHITECT

architecture

planning

design

CONSULTANT: xyz engineering

VBFA

VAN BOERUM & FRANK ASSOCIATES INC.

CONSULTING ENGINEERS

330 South 300 East

Salt Lake City, UT 84111

801.530.3148 T

801.530.3150 F

VBFA Project Number: 07304

862024

JED HARLINE

LYMAN

STATE OF UTAH

REGISTERED PROFESSIONAL ENGINEER

PROJECT TITLE:

DIVISION OF PARKS AND RECREATION

DEAD HORSE POINT RESTROOM IMPROVEMENTS

DEAD HORSE POINT STATE PARK

STATE ROAD 313

P.O. BOX 609

MOAB, UTAH 84532-0609

MARK	DATE	DESCRIPTION
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MECHANICAL & PLUMBING FLOOR PLANS		
SHEET NUMBER		
M-101		
SHEET 22 OF 25		



D

C

B

A

FAN SCHEDULE												
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR		FAN			ELECTRICAL		PHYSICAL	
				MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESSURE (IN. WATER)	OUTLET VELOCITY (FPM)	FAN SPEED (RPM)	FAN WHEEL DIAMETER (IN)	STATIC EFFICIENCY (%)	MOTOR INPUT (WATTS)	VOLT/PH/Hz	LENGTH/ WIDTH/ HEIGHT (IN)
EF-1	COOK GC-122	BATTERY CLOSET	CEILING	20	0.25	102	477		8	20	120/1/60	12/14/3
NOTES												

1. EXHAUST FAN TO BE PROVIDED WITH SPEED CONTROLLER AND OPERATED WITH WALL SWITCH.  
2. PROVIDE ROOF JACK FOR EXHAUST DISCHARGE TO ROOF.

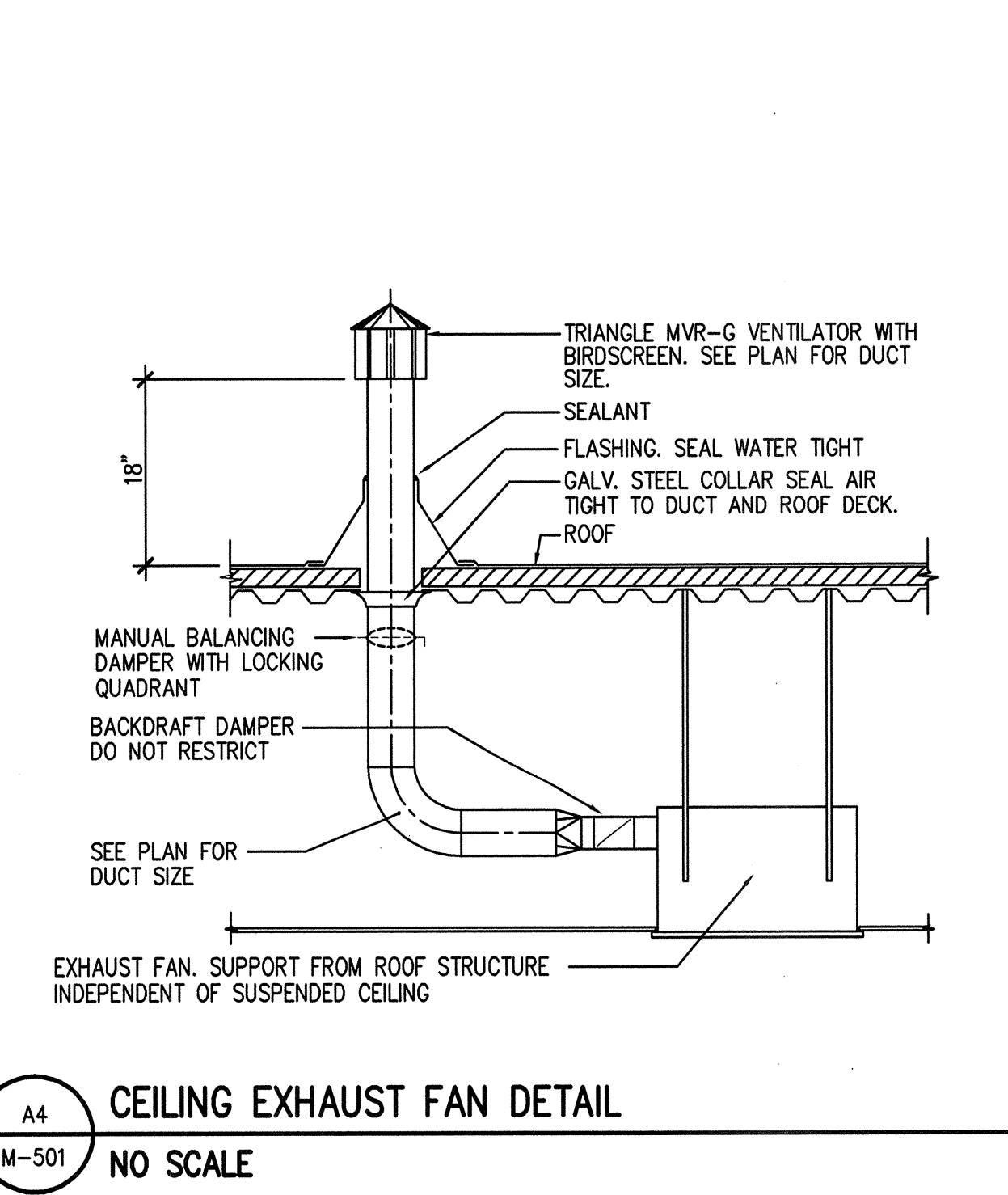
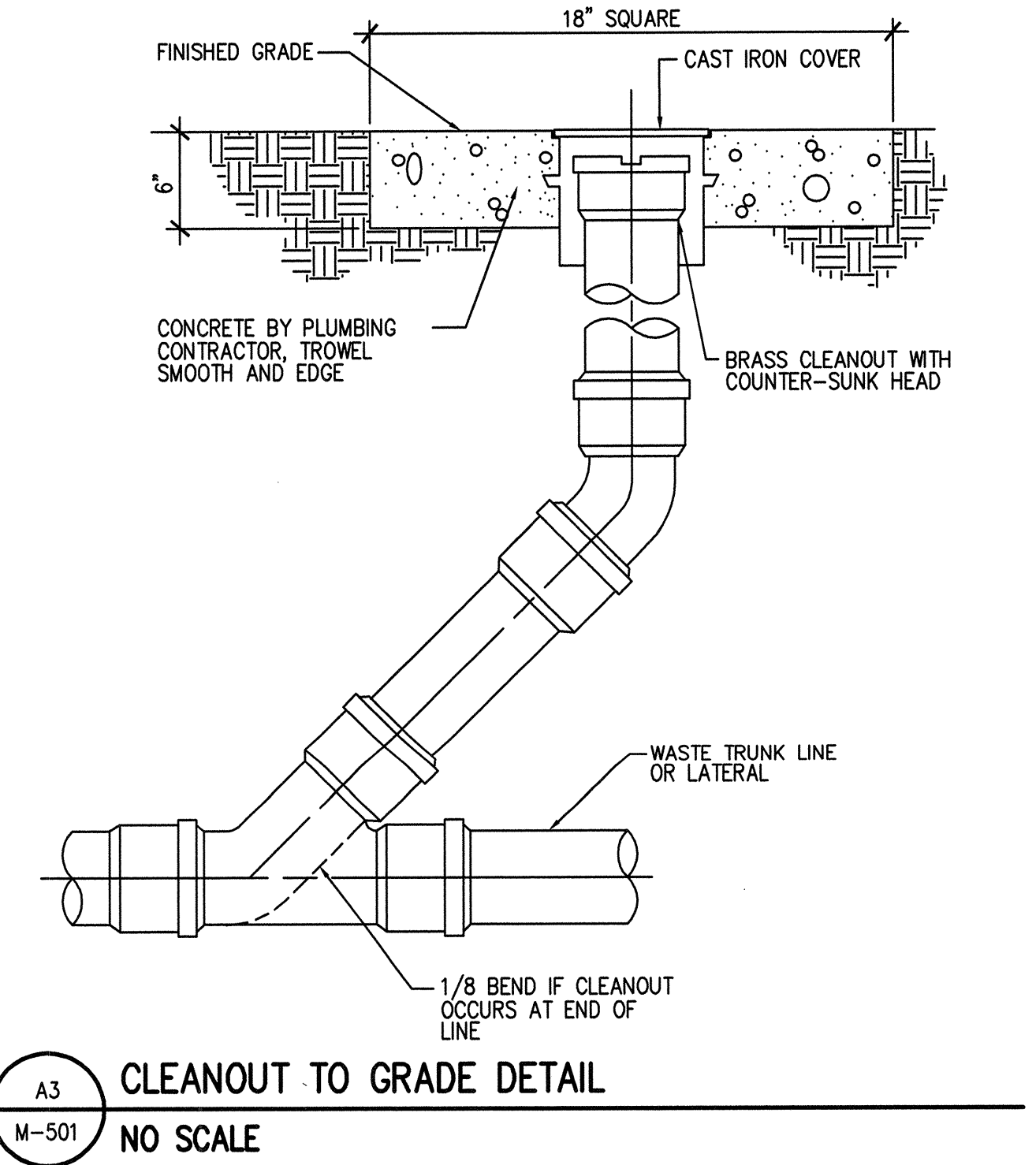
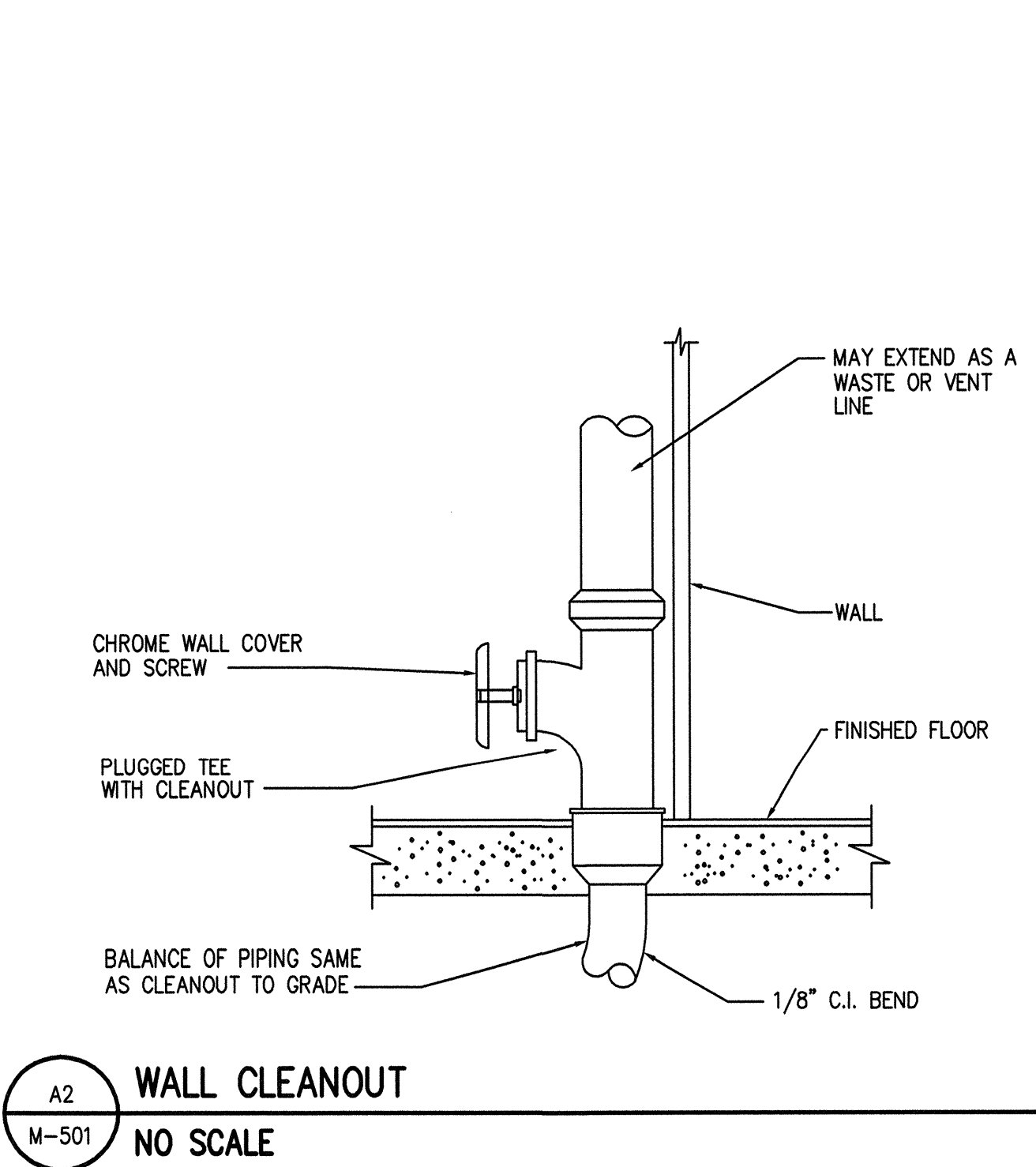
GAS FIRED WATER HEATER SCHEDULE												
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	SERVICE	INPUT LOAD (MBH)	EFFICIENCY (%)	TYPE	RECOVERY RATE @ 77/45 OF DELTA T	TANK SIZE (GAL)	FLUE SIZE (IN)	HEIGHT/ WIDTH/DEPTH (IN)	ELECTRICAL	
											(KW)	V/PH
WH-1	RHEEM RTG-74DVP	MECH. RM.	HW SYSTEM	19-199.9	0.82	TANKLESS LP	4.3/7.4	N/A	4	25/15/11		120/1
NOTES												

1. UNIT SELECTION BASED ON 6000 FT ALTITUDE. PROVIDE UNIT WITH HIGH ALTITUDE CHIP.  
2. UNIT SELECTION BASED ON INSTANTANEOUS MODEL WITH PROPANE FUEL.

PLUMBING FIXTURE SCHEDULE						
ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES
WC-1	WATER CLOSET	1	--	4	2	WALL HUNG, FLUSH VALVE, ADA
U-1	URINAL	--	--	2	2	WALL HUNG, WATERLESS, ADA
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	COUNTER MOUNTED, OVAL, SENSOR FAUCET
S-1	SINK	1/2	1/2	2	1 1/2	WALL HUNG WITH TRAP STAND, SINGLE COMPARTMENT
SS-1	SERVICE SINK	3/4	3/4	3	2	--
FD-1	FLOOR DRAIN	--	--	2	2	RESTROOM
NOTES						

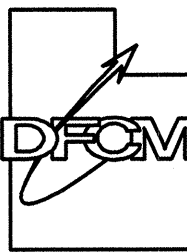
1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

PRESSURE BOOSTER PUMP SCHEDULE												
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	FLUID			PUMP		PRESSURIZED TANK		ELECTRICAL		NOTES
			FLOW RATE (GPM)	WORKING FLUID	PSI BOOST	EFFICIENCY (%)	CONSTRUCTION	TYPE	SIZE (GAL)	MOTOR SIZE (HP)	VOLT/PH/Hz	
PP-1	TIGERFLOW HOUSECAT	MECH. RM.	10	WATER	50	--	CLOSE COUPLED	BLADDER	14	1	120-230/1/60	



## State of Utah

Department of Administrative Services



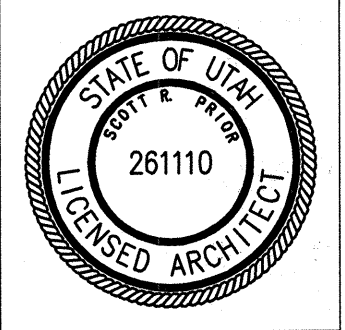
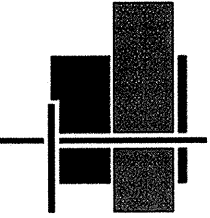
Division of Facilities  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

Internet: <http://www.dfc.state.ut.us>

CREATED BY: P+A architects

### P+A architects

821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail: [parchitects@comcast.net](mailto:parchitects@comcast.net)



architecture planning design

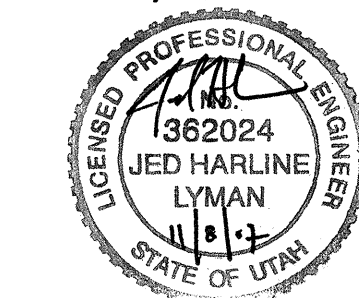
CONSULTANT: xyz engineering



VAN BOERUM  
& FRANK  
ASSOCIATES INC.  
CONSULTING ENGINEERS

Salt Lake City - Logan - St. George - Tempe - Pocatello  
330 South 300 East 801.530.3148 T  
Salt Lake City, UT 84111 801.530.3150 F

VBFA Project Number: 07304



PROJECT TITLE:

DIVISION OF PARKS  
AND RECREATION

DEAD HORSE POINT  
RESTROOM IMPROVEMENTS

DEAD HORSE POINT  
STATE PARK  
STATE ROAD 313  
P.O. BOX 609  
MOAB, UTAH 84532-0609

MARK DATE DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 9th November, 2007

DFCM PROJECT NO: 07321510

CAD PROJECT NO:

CAD DWG FILE: 07397\_m501.dwg

DRAWN BY: Ejuarez

CHK'D BY: Sshepherd

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SHEET TITLE

MECHANICAL  
& PLUMBING  
SCHEDULES

SHEET NUMBER

M-501

SHEET 23 OF 25



# State of Utah

Department of Administrative Services

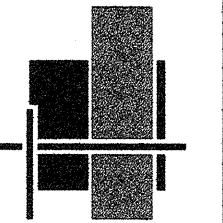
Division of Facilities  
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4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
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CREATED BY: P+A architects

## P+A architects

821 East Kensington Ave.  
Salt Lake City, Utah 84105  
P: 801.484.1161  
F: 801.485.4640  
e-mail: [parchitects@comcast.net](mailto:parchitects@comcast.net)

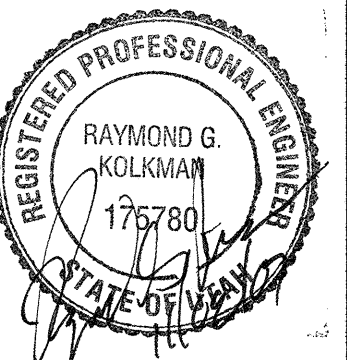


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CONSULTANT:

## Thomas and Kolkman Engineering Company, Inc.

64 West 1700 South  
Salt Lake City, Utah 84115  
P: 801.484.8161  
F: 801.485.3538  
e-mail: [kolkmanr@utahmicro.net](mailto:kolkmanr@utahmicro.net)



PROJECT TITLE:

DIVISION OF PARKS  
AND RECREATION

DEAD HORSE POINT  
RESTROOM IMPROVEMENTS

DEAD HORSE POINT  
STATE PARK  
STATE ROAD 313  
MOAB, UTAH 85432-0609

MARK	DATE	DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCUMENTS		

ISSUE DATE: 5th October, 2007

DFCM PROJECT NO: 07321510

CAD PROJECT NO:

CAD DWG FILE:

DRAWN BY: RGK

CHK'D BY: WBG

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SHEET TITLE

ELECTRICAL PLANS

SHEET NUMBER

E-101

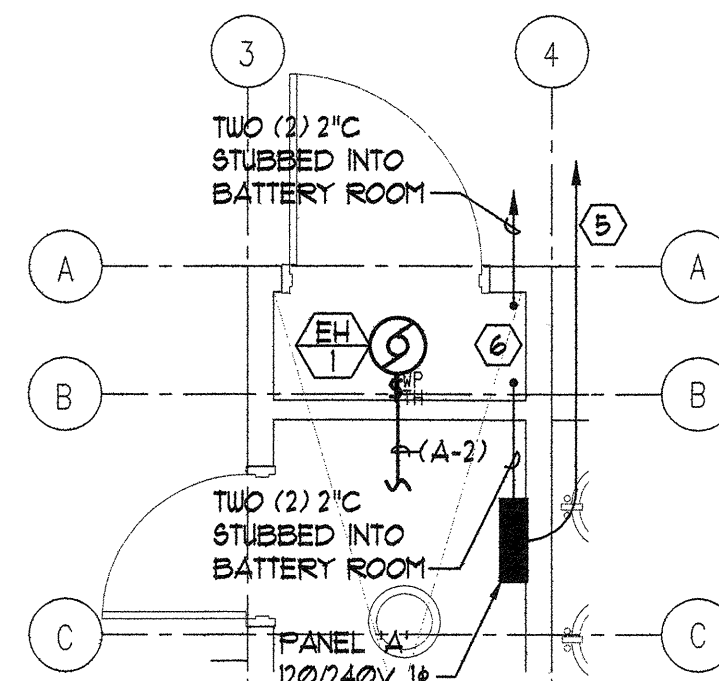
SHEET 24 OF 25

### GENERAL NOTES:

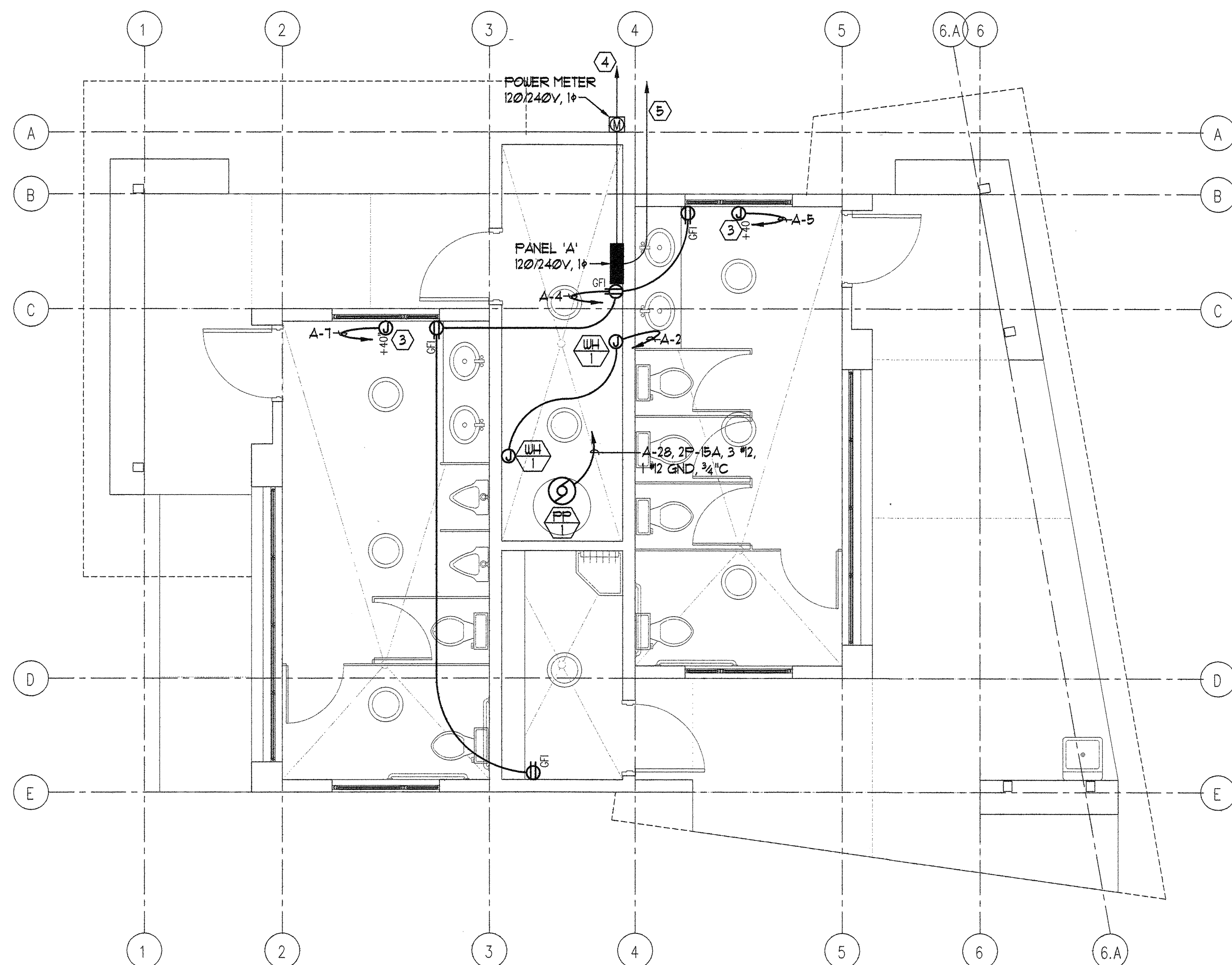
- COORDINATE FIXTURE LOCATIONS WITH ARCHITECT'S REFLECTED CEILING PLAN, CEILING CONTRACTOR, BUILDING STRUCTURE, MECHANICAL EQUIPMENT & DUCTWORK LOCATIONS, ETC.
- COORDINATE MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR.
- WHERE BRANCH CIRCUIT HOMERUNS INDICATE WIRE SIZES, USE THAT SIZE WIRE THROUGHOUT THE BRANCH CIRCUIT, INCLUDING SWITCH LEGS, ETC.
- BURY ALL UNDERGROUND CONDUITS MINIMUM 24" BELOW FINISH GRADE WITH RED MAGNETIC WARNING TAPE STATING "CAUTION - BURIED ELECTRICAL" 12 INCHES ABOVE THE CONDUIT.
- USE GALVANIZED RIGID STEEL CONDUIT (GRC) FOR ALL CONDUIT THROUGH GRADE AND ELBOWS IN PVC CONDUIT RUNS. CORROSION PROTECT GRC CONDUIT IN ACCORDANCE WITH SPECIFICATION SECTION 16110.
- PROVIDE MINIMUM 36" RADIUS GRC ELBOWS FOR NEW ELECTRICAL SERVICE CONDUITS.
- PROVIDE 1/4" NYLON PULL ROPE IN NEW ELECTRICAL SERVICE CONDUITS.
- COORDINATE ELECTRICAL SITE WORK WITH GENERAL SITE PLAN, GENERAL CONTRACTOR, MECHANICAL CONTRACTOR AND LANDSCAPING CONTRACTOR. INSTALL UNDERGROUND CONDUITS SUCH THAT CONDUITS WILL NOT BE DAMAGED BY SUBSEQUENT INSTALLATION OF TREES AND SHRUBBERY.
- COORDINATE INSTALLATION OF NEW ELECTRICAL SERVICE AND METERING WITH LOCAL POWER COMPANY PRIOR TO BEGINNING WORK.

### REFERENCE NOTES:

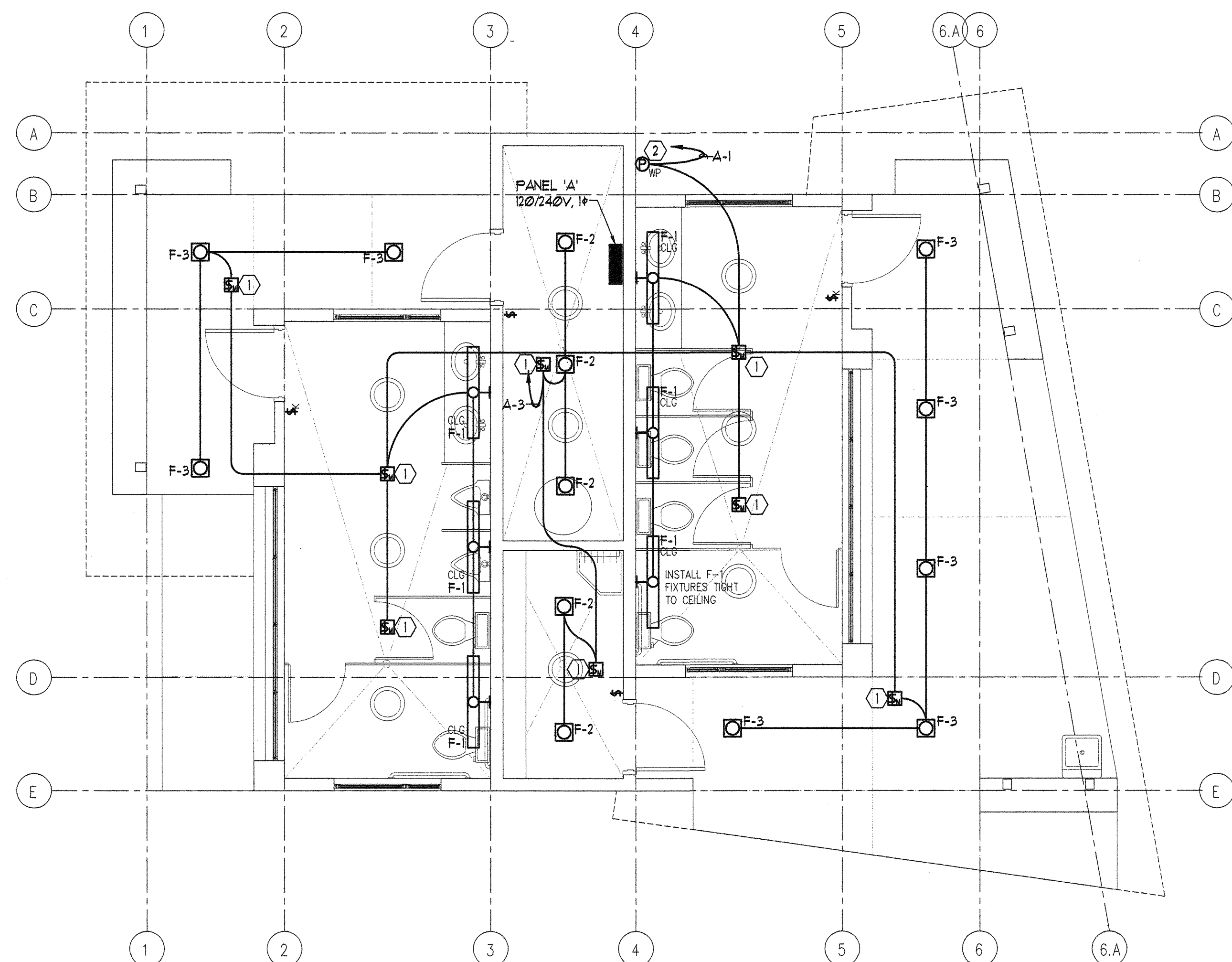
- PROVIDE EXTREME TEMPERATURE MOTION SENSOR AND SWITCHPACK. INSTALL PER MANUFACTURER'S SPECIFICATIONS. INTERLOCK WITH LIGHTING, SWITCH ADJACENT SENSOR, ETC. SENSOR / SWITCHPACK: NOVITAS TYPE '01-340 / 13-051' OR APPROVED.
- PROVIDE PHOTOCELL INSTALLED ON OUTSIDE FACING NORTH AND AWAY FROM LIGHT SOURCES. INTERLOCK WITH LIGHTING IN RESTROOMS AND EXTERIOR CANOPIES AHEAD OF LOCAL MOTION SENSORS AND SWITCHES. PHOTOCELL, 2000 WATT, 120 VOLT, WITH SPST CONTACTS: TORK TYPE '2101' OR APPROVED EQUAL.
- PROVIDE ELECTRIC HAND DRYER WITH AUTOMATIC ON/OFF, TAMPER RESISTANT HARDWARE AND CHROME PLATED CAST COVER. HAND DRYER, 15 AMPS, 120 VOLT: EXCEL DRYER TYPE 'H0-1C' OR APPROVED EQUAL.
- INTERCEPT AND EXTEND EXISTING SERVICE CONDUIT FROM 'ROCKY MOUNTAIN POWER' PAD MOUNTED TRANSFORMER. PROVIDE NEW 2" C AS REQUIRED. COORDINATE REQUIREMENTS WITH POWER COMPANY AND PARKS REPRESENTATIVE. FIELD VERIFY REQUIREMENTS.
- EXTEND TWO (2) 2" C FROM PANEL 'A' TO 3' BEYOND CONCRETE APRON. CAP END OF CONDUITS AND MARK LOCATION AT GRADE WITH WOODEN STAKE DRIVEN FLUSH.
- SOLAR POWER SYSTEM TO BE PROVIDED BY OTHERS. PROVIDE TWO (2) 2" C FROM PANEL 'A' TO BATTERY ROOM AND FROM BATTERY ROOM TO 3' BEYOND CONCRETE APRON. CAP END OF CONDUITS AND MARK LOCATION AT GRADE WITH WOODEN STAKE DRIVEN FLUSH. COORDINATE REQUIREMENTS WITH SOLAR POWER SYSTEM SUPPLIER / INSTALLER AND PARKS REPRESENTATIVE.



DEAD HORSE POINT  
W/ BATTERY ROOM



EQUIPMENT PLAN  
SCALE 1/4" = 1'-0"



LIGHTING PLAN  
SCALE 1/4" = 1'-0"



